# WORLD-RADIO HANDBOOK

## *for Listeners*

1950 · 1951

# NC 125*

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SHORT WAVE LISTENER

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MALDEN, MASSACHUSETTS

# WORLD RADIO-HANDBOOK

## *for Listeners*

**including WHO's WHO in the World Radio**

***For the improvement of a better understanding between the peoples of the world***

Fifth Edition

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Lindorffsalle 1 . Hellerup . Copenhagen . Denmark

November 1950

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O. LUND JOHANSEN

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with other countries

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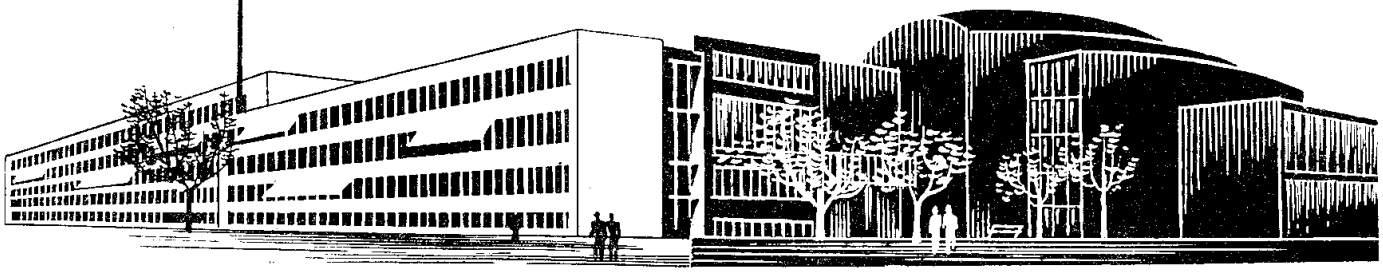
Printed in Denmark by Det Berlingske Bogtrykkeri
Copenhagen

*Listen to*

# THE VOICE OF DENMARK

*The Danish short wave transmissions are beamed to North America, South America and the Far East*



Transmission Hours:
On 31.51 m – 9.520 kc/s
Daily, 02.00–03.30 GMT to *North America*

| Local North American times: | | | |
|---|---|---|---|
| | 10.00 p.m. | –11.30 p.m. | A.S.T. |
| | 9.00 | –10.30 | E.S.T. |
| | 8.00 | – 9.30 | C.S.T. |
| | 7.00 | – 8.30 | M.S.T. |
| | 6.00 | – 7.30 | P.S.T. |

On 31.71 m – 9.520 kc/s
*Tuesdays*, *Thursdays*, *Saturdays* } 00.00–01.00 to *South America*

| Local South American times: | | | |
|---|---|---|---|
| *Mondays* | 8.00 p.m. | – 9.00 p.m. | in Chile |
| *Wednesdays*, *Fridays* | 9.00 | –10.00 | in Argentina, Brazil, Uruguay |

On 19.78 m – 15.165 kc/s
*Tuesdays*, *Thursdays*, *Saturdays* } 10.00 a.m. - 11.00 a.m. to *the East, Australia and New Zealand*
For listeners in Europe
On 41.32 m – 7.260 kc/s
Daily 17.40–22.30. GMT. same programme as Copenhagen-Kalundborg

Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

*Answer by letter or QSL card*

advertisement Voice of Denmark

# PREFACE

"*Cruising on the ether waves*" is steadily increasing in popularity among radio listeners throughout the world.

That is a most welcome sign. For there can no longer be any doubt but that this planet of ours is growing smaller every day, and that events and problems in the remotest parts of the globe can have a decisive effect upon our own lives, in whatever country we may be domiciled. Conversely, a better, deeper understanding of »the other fellow's point of view«, his way of life and cultural background, etc., can lead – utopian as this may sound – to happier conditions for all of us.

Travellers who have the good fortune of visiting different countries, and meeting different peoples, know from experience that contact with members of other nations can, and does, create enduring friendships. – Those of us who can travel only "by ear" know, similarly, that world-listening, too, helps to foster good fellowship.

New broadcasting stations, increased power of old ones, better equipment resulting from the constant research of enthusiastic engineers and manufacturers, and the great work done by leading national and international bodies, provide ever inproving listening facilities, while program directors, producers and others, with an increasing number of the foremost national and international artists and experts in every field of human knowledge supply listeners with ever more enjoyable as well as inspiring listening fare.

It is, therefore, most gratifying to me that this WORLD RADIO HANDBOOK, which is a labour of love and enthusiasm actuated by a profound hope for understanding between all nations, is gaining growing recognition from official organizations, such as UNO, UNESCO, UER, and many of the large broadcasting companies who play such an important role in promoting this desirable state of affairs.

This new edition is of special importance in that, apart from the numerous corrections, amendments and revisions which a reference book of this nature involves from year to year, it includes the many wavelength changes agreed at this year's Copenhagen Radio Conference. – In fact, the book has been completely re-set throughout to take care of all the new data from existing as well as many new stations which have come into operation since the last edition.

It thus becomes invaluable to every broadcasting station and regular listener, for whom it constitutes an unique "Who's Who" and ready-made logbook of the world's broadcasting stations.

New features include a more helpful Introduction, an extension of the list of Long and Medium Wave Stations to cover most of the world, details of the Standard Frequency and Time Signal Transmissions, particulars of new FM and Television Stations, etc.

In compiling this new edition, I have been given generous assistance by faithful old friends and many new collaborators, as well as by most of the world's broadcasting organizations, to all of whom it is my duty and distinct pleasure to express my thanks here. – At the same time I hope most sincerely that many more official organizations and broadcasting authorities will appreciate, and support, my efforts of providing listeners everywhere with a reliable means of making *round-the-clock* and *round-the-world* listening easier, and more pleasurable.

I am gratified that an opportunity is afforded me in this edition to publish a message from the UNITED NATIONS and from UNESCO.

While every endeavour has been made to ensure accuracy of the information, a book of this kind needs the constant help of friends pointing out errors and changes, and providing additional data.

Suggestions for improvements will be most welcome, as will be the co-operation of all world-listening friends.

I have to express thanks to the international broadcasting organizations, the Danish representatives abroad, the Danish Society and "Krak's Legat" for kind support and co-operation.

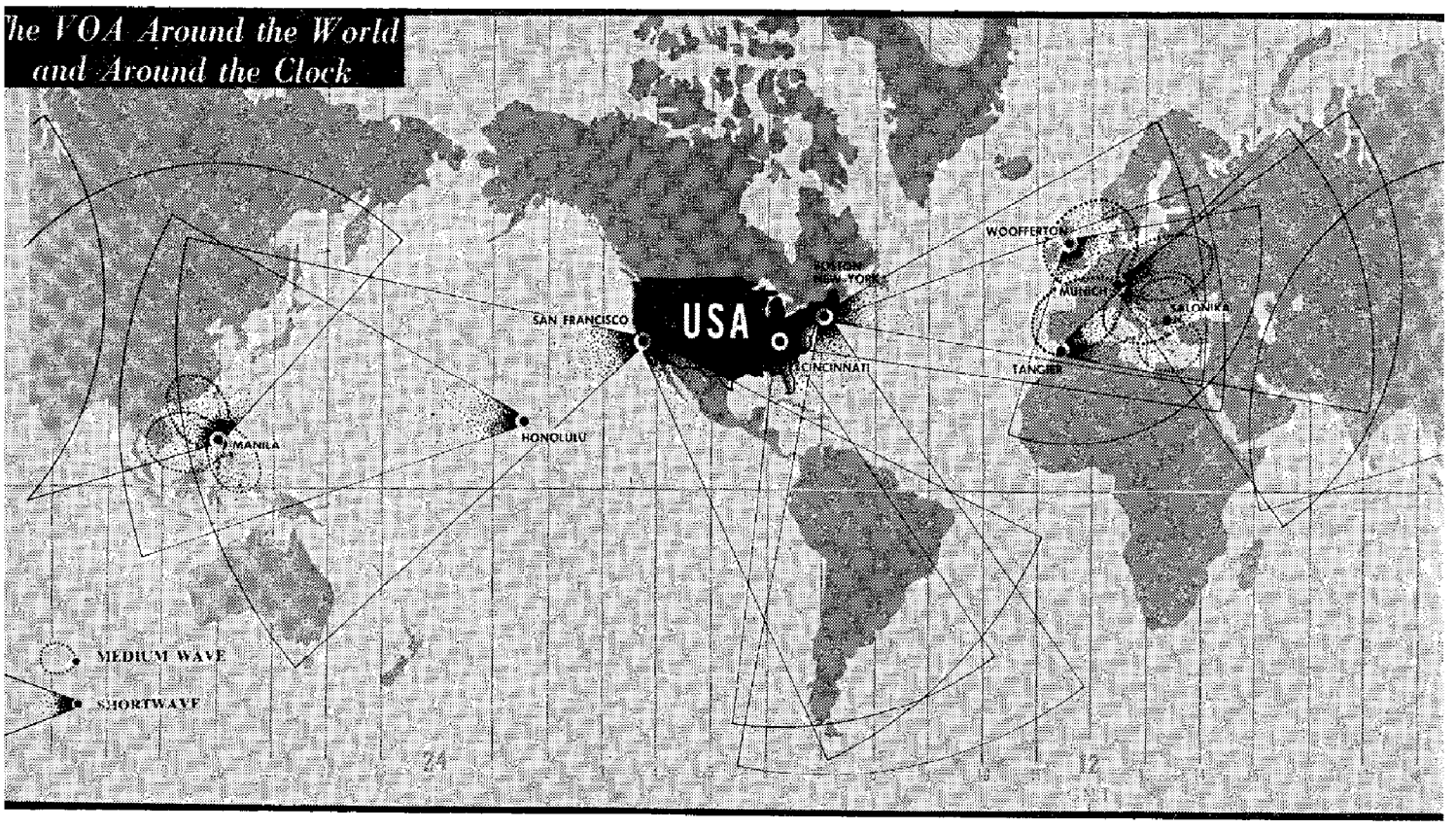
Happy listening!

O. LUND JOHANSEN

# "This is the VOICE of AMERICA"

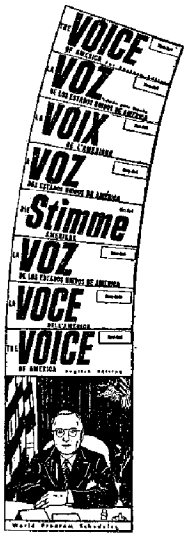
*. . . speaking to a worldwide audience in 25 languages*

For a balanced view of public affairs . . . for entertainment—music, drama, quiz programs . . . for education and science . . . sports reviews . . . significant interviews, commentaries and up-to-the-minute world news . . .




## *Tune in*

Your radio receiver is your passport across international boundaries.




## *Read*

THE VOICE OF AMERICA'S illustrated, bi-monthly Program Schedule — in English, French, Spanish, Portuguese, German, Italian and Chinese-Korean-English editions—is published exclusively for the overseas audience and will be sent to you upon written request. Specify the language edition desired and address your request to The Voice of America, New York 19, N. Y., U.S.A., or to the nearest American consulate or embassy.

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# THE VOICE OF
# SWITZERLAND

The Oldest Democracy in the World

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Listen to:

Gay Popular Music
Objective News Reports
Symphony Hours
Vivid Actuality Broadcasts
Radio Drama
and All the Latest in Radio.

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(Medium-wave)

| | | |
|---|---|---|
| Beromünster | (German Language) | 567,1 m. |
| Sottens | (French Language) | 392,2 m. |
| Monte Ceneri | (Italian Language) | 538,6 m. |

## International Programmes:

SWISS SHORTWAVE SERVICE:

BEAMS DAILY PROGRAMMES TO ALL PARTS OF THE WORLD

in

English, French, Schwitzerdütsch,
German, Italian, Romanch,
Spanish, Portuguese, Esperanto.

SBC

SWISS BROADCASTING CORPORATION

**BERN**


(For full details, see p. 44)

*A Message from*

# UNITED NATIONS

Every day, throughout the year, voices speaking from Lake Success in 29 languages are telling the most important story in the world. It is a story affecting the life of every man, woman and child, and reaching into the farflung corners of the world. It is the story of the search for world peace and what the United Nations is doing in a wide range of activities to fulfill the pledge made in its Charter to "save succeeding generations from the scourge of war." The story is told by United Nations Radio, whose familiar program opening, "This is the United Nations" is heard by listeners around-the-clock and around-the-globe.

United Nations Radio works on one simple, basic premise—one that was phrased by the London General Assembly of 1946 when it adopted a resolution containing these words: "The United Nations cannot achieve the purposes for which it has been created, unless the peoples of the world are fully informed of its aims and activities."

Thus it is that United Nations Radio is carrying out an essential, and in many ways a unique assignment. This stems from the very nature of the United Nations, an organization of 60 member states. Within this structure, United Nations Radio has the task of providing complete and impartial news coverage of the work of the organization and its Specialized Agencies. United Nations Radio is the only world-wide broadcasting service without a transmitting station of its own. However, thanks to the cooperation of national radio systems, the United Nations is able to speak to its widely scattered listeners by short wave, by relay, and by local rebroadcasts. Most transmissions carried from United Nations Headquarters in New York are broadcast over facilities provided by the United States State Department. The Canadian Broadcasting Corporation provides the United Nations with another direct major broadcasting outlet. The British Broadcasting Corporation, Radiodiffusion Française and other national radio networks have made possible the relay of United Nations programs.

The radio voice of the United Nations has a multi-lingual tongue speaking some 29 languages. Broadcasts direct, or by transcription, go out in the 5 official languages which are Chinese, English, French, Spanish and Russian. In addition, U.N. programs are broadcast in Afghani-Persian, Amharic, Arabic, Burmese, Czech, Danish, Dutch, Greek, Hebrew, Hindi, Icelandic, Indonesian-Malay, Italian, Norwegian, Persian, Polish, Portuguese, Pushtu, Serbo-Croat, Swedish, Tagalog, Thai, Turkish and Urdu.

Two basic program formats are used by United Nations Radio in reporting on the events of the world organization—those based on straight, factual news, and those of a feature or semi-dramatic character. Every day, news programs, presented with strict objectivity, tell radio listeners throughout the world about the latest United Nations developments. Through the Latin–American Service alone, broadcasts in Spanish, Portuguese and French reach all 20 Latin–American Republics over 226 stations comprising the "Network for Peace." And the listener response averages some one thousand letters a month.

Also, United Nations facilities are placed at the disposal of accredited radio correspondents to broadcast their dispatches on the world organization back to their national radio systems. In the feature field, there are direct broadcasts of important sessions with running, descriptive narration in English and French; weekly news summaries; actuality reviews semi-documentary reports on activities of the U.N. with the actual voices of delegates; interviews with leading world statesmen; and semi-dramatic programs.

In these times of international tension, the peoples of the world are more than ever in need of accurate information about the world-wide activities of the United Nations and the Specialized Agencies. In cooperation with national broadcasting systems, United Nations Radio is attempting to play its part in filling this need and, in this way, to promote international understanding.

*Peter Aylen, Director of Radio Division*

# TO GET THE MOST OUT OF WORLD LISTENING,

*read*

## "HOW TO LISTEN TO THE WORLD"

*by O. Lund Johansen*

and a team of international experts

**This booklet will open the world to you, because it will**

— *Enable you* to receive stations in all countries.
— *Help you* to enjoy better, trouble-free radio.
— *Save you time* and trouble in choosing the best broadcasting stations.
— *Show you* how to get the best from your set.
— *Increase your pleasure* in listening to the world.
— *Increase your knowledge* of world affairs.

*CONTENTS:*

— The propagation of short waves.
— The Broadcast Bands.
— Wavelengths for best reception from all countries. at all hours and seasons.
— The best aerials for world listening.
— How to tune in for world listening.
— How to identify foreign stations.
— How to write a report.
— Experienced World Listeners of many countries share their experiences with you.

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*An inexpensive, but highly appreciated gift for radio friends*

**Published by: WORLD RADIO HANDBOOK**
**1, Lindorffsalle, Hellerup, Denmark**

# BBC

## PUBLICATIONS

## LONDON CALLING

Follow the BBC shortwave broadcasts with London Calling! Each week it publishes advance details of programmes, wavelengths and coverage of the General Overseas Service in English and of the special Regional Services in English and other languages. London Calling also contains illustrated articles on life in Britain and abroad. Annual subscription (post free) 25/- sterling, or the equivalent in local currency.

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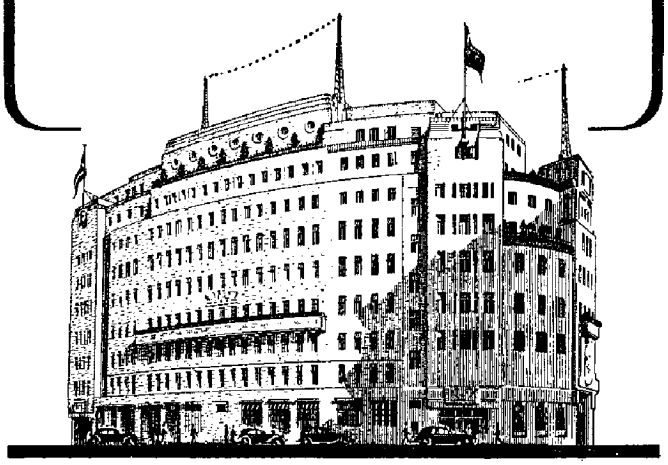
You will enjoy reading this journal which publishes each week the best of the talks broadcast by the BBC. These talks are given by experts and cover a wide range of subjects including world problems, history, philosophy, art, music, literature and drama. Annual subscription (post free) £ 1 sterling, or the equivalent in local currency.

*Write for a specimen copy of London Calling and The Listener, mentioning this advertisement, to BBC Publications, (3), 35, Marylebone High St., London, W. 1., England.*



# INTRODUCTION TO WORLD LISTENING

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

**Population** and number of **Licensed Listeners.** Where broadcasts are **commercial,** this is stated.

**The Addresses** of the broadcasting companies in question, together with their **cable addresses.**

**Names and Titles** of the leading personalities in each company.

**List of Stations** operated by each company with call signs of their transmitters, frequencies and wavelengths, as well as their power expressed in kilowatts. For Europe, North Africa and the Near East all broadcasting stations in operation are shown; for other countries this information is limited to short-wave stations and the more powerful long and medium wave stations.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or the first two, denote the nationality in accordance with the international list of station prefixes. Some short-wave stations, the American for example, use these call-signs when announcing themselves.

*Long and medium wave stations* are divided into three categories, viz. (1) *Main Stations*, which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) *Regional Stations*, which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programs of the main stations and partly of their own programs; (3) *Relay Stations*, which solely re-transmit main station programs. These relay stations are the weakest, and are local stations which can be heard only within a limited area.

Most short wave stations use directional antennae, i.e. their broadcasts are directed towards particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

**Daily Programs:** Under this heading you will find information concerning the total broadcasting hours on the different frequencies employed during transmission hours, as well as a survey of the news and the more important regular feature programs on specific days.

**Frequency and Wavelength.**

Frequency and wavelength are divided into the following groups:

*Long waves* with frequencies from 133 kc/s (1961 metres) to 500 kc/s (600 metres).

*Medium waves* with frequencies from 500 kc/s (600 metres) to 3000 kc/s (100 metres).

*Short waves* with frequencies from 3000 kc/s (100 metres) to 30000 kc/s (10 metres).

*Megacycles, kilocycles, metres* are three different terms for the wavelength. 1 megacycle is equal to 1000 kilocycles. Megacycles are changed to kilocycles by multiplying megacycles by 1000. Kilocycles are changed to megacycles by dividing by 1000. Kilocycles are changed to metres by dividing kilocycles into 300000. Metres are changed to kilocycles by dividing metres into 300000. Metres are changed to megacycles by dividing metres into 300. – Kc/s means kilocycles per second = 1000 oscillations per second.

*Short waves* are divided into the following metre bands (m. b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa.

The property possessed by the short waves of spanning great distances with strong signals has encouraged the countries of the world to make use of them for broadcasting purposes.

A careful examination of the behaviour of the various bands and their propagation characteristics has supplied engineers with invaluable information as to the most suitable frequencies for the different times of the day or months of the year, so that they can ensure maximum reception at any time in any part of the world in which they may be specifically interested.

The British Broadcasting Corporation (BBC), The Voice of America (U.S.A.), Canada, France, the Soviet Union, and many other large countries maintain comprehensive and extensive short-wave services for the benefit of listeners all over the world.

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs serve to identify individual transmissions and frequencies.

Many programs are broadcast simultaneously over several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station.

**Announcements:**

The language alone is not a conclusive indication of the origin of a broadcast to which you may be

# Berlingske Tidende

DENMARK'S LEADING DAILY

FOUNDED 1749

listening. Hearing a program in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly, it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These announcements are given in this book for practically all the stations listed.

**Interval Signals:**

For identifying stations it is also of importance to know the signals used during the intervals between program items. Under each station you will, therefore, find an indication of the type of signal used, and in many cases also a reproduction of the musical notes of this signal.

**QSL Cards:**

As indicated in the survey of the broadcasting services of the various countries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge such reports by sending listeners a QSL (verification) card or a letter. For most of these stations it is stated whether reports are answered by QSL card or letter.

Many short-wave listeners make a hobby of collecting these QSL cards which are often elaborately designed and colourful, sometimes with pictures of the station and its location, photos of the personnel, and other interesting particulars.

**Reports from Listeners:**

Listeners' reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations. Each report should contain information as to wavelength, date, time, program heard, intelligibility, strength of reception and whether there was any fading, i. e. variable strengths (QSB), interference from another station (QRM)), and static, i.e. atmospheric interference (QRN). – In the case of an amateur transmitter, the report should also contain the call letters of the station.

Moreover, it is helpful to add details of your own location, as well as of the type of receiver and aerial used for listening. If reply postage is requested by a station, enclose with your reports an International Reply Coupon obtainable at most post offices.

*Greenwich Mean Time (G. M.T.)* should be used for all time indications. – The full address of each station will be found in the individual surveys for each country.

| Intelligibility | Strength. | Interference. |
|---|---|---|
| QRK1 – unintelligible | QSA1 – unreadable | QRM – interference from another station |
| QRK2 – partly unintelligible | QSA2 – weak | QRN – atmospheric interference (static) |
| QRK3 – intelligible with difficulty | QSA3 – fairly good | QSB – variable strengths (fading) |
| QRK4 – quite intelligible | QSA4 – good | |
| QRK5 – easily intelligible | QSA5 – very good | |

**Future Plans:**

Many stations have made known their development plans for the immediate future. These include: – Increase of power, new transmitters, F. M. and Television stations to be opened up, etc.

**Lists of Long, Medium and Short Wave Stations:**

A complete lists of the world's broadcasting stations, arranged in order of frequencies (pages 97-109).

**Local Time Conversion:**

On page 111 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G. M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G. M.T., since the table indicates that local time in New York is 5 hours ahead of G. M.T. From May to September U.S.A. introduces day-light saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours. G M.T.

**How to tune in to your favorite short-wave station:**

It requires some practice to adjust receivers correctly to a short-wave station. A movement to either side by a mere hair's breath may give the correct adjustment. Once the station has been found, it must be finely adjusted by gently turning the dial knob backwards and forwards, simultaneously increasing the volume until the station in question can be heard distinctly, and identified. If the tuning knob is turned too quickly, a weak station may easily be passed over.

Reception conditions for short waves can be very capricious. After listening to a far-distant station for a short time, it may suddenly disappear completely (fade) and not return immediately.

Some broadcasts are often transmitted over several wavelengths simultaneously. If after adjusting your receiver to the station to which you wish to listen, you find reception unsatisfactory, try the other wavelengths used by the same station during the period in question.

**How to identify a short-wave station:**

Whenever you come across a station which is unknown to you, proceed as follows for identification: Read the approximate frequency, which is indicated on the dial of your receiver in megacycles, kilocycles or metres. Look up the frequency table for stations located in the vicinity of this frequency. When you have reduced the source of the broadcast to one or two possibilities and at the same time noted details of the program heard and the language used, check these data against the program surveys printed in this Handbook. For confirmation it is advisable to wait for the station announcement or interval signal mentioned previously.

*A Message from* UNESCO

In the last edition of the World Radio Handbook we described the part played by the Radio Division of Unesco in publicising the ideals and activities of that Specialized Agency of the United Nations. During the last year this small Radio Unit has covered an extensive amount of ground.

Working in its studio in Unesco House group of producers and engineers have recorded over five hundred different programmes in twenty-three languages, including little known languages such as Urdu, Hindi, Indonesian, Siamese and Viet-namese. Some 81 countries and territories use Unesco Radio Material, and 48 use the weekly "Unesco World Review" which is published in English, Arabic, French and Spanish.

Among the many distinguished scientists, scholars, educationists and artists of world renown who have been recorded by the Unesco Radio Division may be mentioned Sir Sarvepali Radhakrishnan, Madame Maria Monterossi, Professor Bertrand Russell, Professor Oliphant, Serge Kuossevitzky, Marian Anderson, Cancer Research specialist Dr. Alexander Haddow, and the President of the 4th World Conference on Energy Control, Sir Harold Hartley.

Over 2000 copies of these and other recordings have been despatched to all parts of the world. In this way a flow of ideas and knowledge is made possible through the medium of Radio in a manner which is not possible for most of the Radio organizations working within the limits of purely national boundaries. This, of course, is the real job of Unesco as a whole—to collect and select what the world has to offer in the fields of Education, Science and Culture, and then to give the fullest possible distribution of this information to all corners of the world. In this way it is believed that the people of the world will develop a richer knowledge and, therefore, a deeper understanding of each other, and so contribute to a final settlement of international differences.


**radio Canada**

Programs from Canada are beamed daily to Europe in English, French, Dutch, Czech, Slovak, German, Danish, Norwegian, Swedish, Italian, Finnish and Russian to the Caribbean and South America in English, Spanish, Portuguese, French and Dutch, and every Sunday in English to the Southwest Pacific.

Listeners in all countries are invited to tune in to Canada's International Service for a day-to-day chronicle of Canadian life and to write requesting a monthly program bulletin.

**canadian broadcasting corporation**

*International Service*

Post Office Box 7,000 . Montreal . Canada

For frequencies on which CBC International Service may be heard see page 74.

## TABLE OF THE MOST SUITABLE METRE BANDS FOR BEST SHORT-WAVE RECEPTION IN EVERY PART OF THE WORLD AT VARIOUS TIMES OF THE DAY THROUGHOUT THE YEAR.

This Table provides a ready answer to the question: Which is the best waveband for listening to a certain country at a particular time of the day during any one of the four seasons af the year?

**Example:** A listener located in North America wishes to hear a station in Southern Asia on a January afternoon. By following the horizontal column of figures starting at North America A on the left until it meets the vertical column under South Asia in the Winter section on the right, he will come to the figure 25.—This means that the 25 metre band is the most suitable for listening to the required station at that time.

| The listener's area | | Area of the station required | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SUMMER | | | | | | | SPRING AND AUTUMN | | | | | | | WINTER | | | | | | |
| | | Europe | North America | South America | Africa | South Asia | East Asia | Australia | Europe | North America | South America | Africa | South Asia | East Asia | Australia | Europe | North America | South America | Africa | South Asia | East Asia | Australia |
| Europe | M | 41 | 31 | 31 | 19 | 16 | 19 | 25 | 41 | 31 | 31 | 19 | 19 | 19 | 16 | 31 | 49 | 31 | 16 | 13 | 19 | 13 |
| | A | 31 | 25 | 19 | 16 | 16 | 19 | 16 | 25 | 16 | 13 | 16 | 16 | 25 | 16 | 25 | 13 | 11 | 13 | 25 | 41 | 16 |
| | E | 41 | 25 | 16 | 19 | 19 | 19 | 16 | 41 | 25 | 25 | 25 | 25 | 31 | 25 | 49 | 31 | 31 | 41 | 41 | 49 | 25 |
| North America | M | 19 | 49 | 19 | 19 | 19 | 25 | 25 | 19 | 19 | 13 | 19 | 31 | 31 | 31 | 16 | 19 | 13 | 19 | 16 | 41 | 16 |
| | A | 25 | 49 | 16 | 16 | 19 | 19 | 16 | 25 | 16 | 11 | 16 | 25 | 16 | 19 | 49 | 16 | 13 | 19 | 25 | 19 | 13 |
| | E | 25 | 49 | 16 | 25 | 25 | 19 | 16 | 31 | 31 | 19 | 25 | 19 | 25 | 25 | 49 | 41 | 41 | 31 | 25 | 31 | 19 |
| South America | M | 16 | 19 | 16 | 11 | 11 | 16 | 31 | 13 | 16 | 11 | 11 | 11 | 19 | 31 | 11 | 25 | 13 | 11 | 11 | 31 | 16 |
| | A | 16 | 16 | 16 | 16 | 16 | 16 | 41 | 16 | 11 | 13 | 13 | 11 | 19 | 19 | 31 | 11 | 11 | 11 | 16 | 31 | 16 |
| | E | 25 | 16 | 25 | 31 | 25 | 16 | 41 | 31 | 19 | 19 | 19 | 19 | 13 | 25 | 31 | 25 | 16 | 16 | 19 | 16 | 16 |
| Africa | M | 19 | 31 | 31 | 11 | 16 | 16 | 16 | 19 | 31 | 31 | 19 | 25 | 16 | 13 | 16 | 31 | 16 | 19 | 16 | 11 | 16 |
| | A | 16 | 19 | 11 | 11 | 16 | 13 | 31 | 13 | 16 | 11 | 11 | 16 | 13 | 25 | 13 | 19 | 11 | 11 | 13 | 16 | 19 |
| | E | 19 | 16 | 16 | 16 | 19 | 16 | 41 | 25 | 13 | 13 | 11 | 16 | 19 | 31 | 31 | 13 | 13 | 11 | 16 | 25 | 25 |
| South Asia | M | 19 | 19 | 25 | 31 | 19 | 16 | 31 | 31 | 19 | 19 | 25 | 16 | 13 | 11 | 41 | 25 | 31 | 19 | 19 | 11 | 11 |
| | A | 16 | 19 | 16 | 13 | 13 | 13 | 13 | 13 | 25 | 11 | 11 | 11 | 13 | 16 | 11 | 31 | 11 | 13 | 11 | 19 | 13 |
| | E | 16 | 19 | 13 | 13 | 16 | 16 | 31 | 16 | 16 | 11 | 13 | 13 | 19 | 19 | 31 | 19 | 13 | 16 | 13 | 31 | 13 |
| East Asia | M | 19 | 16 | 16 | 31 | 16 | 13 | 13 | 31 | 19 | 16 | 25 | 16 | 11 | 11 | 31 | 16 | 16 | 25 | 31 | 13 | 11 |
| | A | 19 | 19 | 19 | 11 | 13 | 13 | 16 | 19 | 31 | 19 | 11 | 11 | 11 | 13 | 19 | 31 | 16 | 13 | 16 | 16 | 13 |
| | E | 19 | 25 | 19 | 13 | 16 | 16 | 25 | 16 | 31 | 19 | 13 | 16 | 19 | 16 | 25 | 41 | 31 | 16 | 31 | 31 | 13 |
| Australia | M | 16 | 16 | 31 | 31 | 19 | 13 | 19 | 25 | 16 | 16 | 31 | 19 | 11 | 13 | 31 | 16 | 16 | 19 | 25 | 11 | 13 |
| | A | 19 | 25 | 41 | 13 | 13 | 11 | 13 | 16 | 25 | 25 | 16 | 13 | 13 | 13 | 16 | 31 | 16 | 16 | 13 | 13 | 11 |
| | E | 25 | 31 | 31 | 25 | 25 | 13 | 25 | 16 | 31 | 31 | 25 | 16 | 16 | 19 | 19 | 16 | 19 | 16 | 16 | 13 | 13 |
| | | METRE BANDS. | | | | | | | | | | | | | | | | | | | | |

**M** – Morning, **A** – Afternoon, **E** – Evening.

**Albania.**
Korça ..... 1
Shkodra ..... 2
Tirana ..... 3

**Andorra.**
Andorra ..... 4

**Austria.**
Graz ..... 5
Innsbruck ..... 6
Klagenfurt ..... 7
Linz ..... 8
Salzburg ..... 9
Vienna ..... 10

**Belgium.**
Brussels ..... 11

**Bulgaria.**
Sofia ..... 12
Varna ..... 13

**Czechoslovakia.**
Bratislava ..... 14
Brno ..... 15
Ostrava ..... 16
Prague ..... 17

**Denmark.**
Copenhagen ... 18
Kalundborg ... 19

**Eire.**
Athlone ..... 20
Cork ..... 21
Dublin ..... 22

**Finland.**
Helsinki ..... 23
Lathi ..... 24
Pori ..... 25
Turku ..... 26

**France.**
Bordeaux ..... 27
Clermont ..... 28
Dijon ..... 29
Grenoble ..... 30
Lille ..... 31
Limoges ..... 32
Lyon ..... 33
Marseille ..... 34
Nancy ..... 35
Nice ..... 36
Paris ..... 37
Strasbourg ..... 38
Toulouse ..... 39

**Germany.**
Baden-Baden .. 40
Bayreuth ..... 41
Berlin ..... 42
Bremen ..... 43
Dresden ..... 44
Flensburg ..... 45
Frankfurt ..... 46
Hamburg ..... 47
Kassel ..... 48
Koblenz ..... 49
Leipzig ..... 50
Munich ..... 51
Saarbrücken ... 52
Stuttgart ..... 53

**Great Britain.**
London ..... 54
Midland Reg. .. 55
North of Engl. 56
North Ireland .. 57
North Reg. ..... 58
Scottish Reg. .. 59
Welsh Reg. ..... 60
Western Reg. . 61

**Greece.**
Athens ..... 62
Jannina ..... 63
Larissa ..... 64
Salonica ..... 65
Tripolis ..... 67
Volos ..... 68

**Holland.**
Hilversum ..... 69
Kootwijk ..... 70

**Hungary.**
Budapest ..... 71

**Italy.**
Ancona ..... 72
Bari ..... 73
Bologna ..... 74
Bolzano ..... 75
Florence ..... 76
Milan ..... 77
Messina ..... 78
Naples ..... 79
Rome ..... 80
Sardegna ..... 81
Trieste ..... 82
Turin ..... 83
Venice ..... 84

**Luxembourg.**
Luxembourg 85

**Monaco.**
Monte Carlo ... 86

**Norway.**
Bergen ..... 87
Bodø ..... 88
Finmark ..... 89
Frederikstad .. 90
Kristiansand .. 91
Oslo ..... 92
Stavanger ..... 93
Trøndelag ..... 94
Vigra ..... 95

**Poland.**
Warsaw ..... 96
Cracow ..... 97
Gdansk ..... 98
Gliwice ..... 99
Wroclaw ..... 100

**Portugal.**
Lisbon ..... 101
Oporto ..... 102
Parede ..... 103

**Rumania.**
Bucarest ..... 104
Brasov ..... 105

**Spain.**
Alicante ..... 106
Barcelona ..... 107
Bilbao ..... 108
Madrid ..... 109
Mallorca ..... 110
Sevilla ..... 111
Valencia ..... 112
Zaragoza ..... 113

**Sweden.**
Eskilstuna ..... 114
Falun ..... 115
Gothenburg ... 116
Hörby ..... 117
Jönköping ..... 118
Luleå ..... 119
Malmö ..... 120
Motala ..... 121
Stockholm ..... 122
Sundsvall ..... 123
Umeå ..... 124
Visby ..... 125

**Switzerland.**
Beromünster .. 126
Monte Ceneri .. 127
Sottens ..... 128

**U. S. S. R.**
Kharkov ..... 129
Kaunas ..... 130
Kiev ..... 131
Leningrad ..... 132
Lvov ..... 133
Minsk ..... 134
Moscow ..... 135
Odessa ..... 136
Petrozavodsk .. 137
Riga ..... 138
Tallinn ..... 139
Vilna ..... 140

**Yugoslavia.**
Belgrade ..... 141
Cetinje ..... 142
Dubrovnik ..... 143
Ljubljana ..... 144
Sarajevo ..... 145
Skoplje ..... 146
Titograd ..... 147
Zagreb ..... 148

**NEAR EAST NORTH AFRICA**

**Algeria.**
Constantine ... 159
Fort National .. 160
Algiers ..... 161

**Cyprus.**
Limassol ..... 157

**Egypt.**
Cairo ..... 151

**Israel.**
Jerusalem ..... 152
Tel Aviv ..... 153

**Lebanon.**
Beirut ..... 154

**Marocco (French)**
Oran ..... 162
Rabat ..... 163
Tanger ..... 164

**Marocco (Spanish)**
Tetuan ..... 165

**Syria.**
Damascus ..... 155
Aleppo ..... 156

**Tunis.**
Tunis ..... 158

**Turkey.**
Ankara ..... 149
Istanbul ..... 150

### UNION EUROPEENNE DE RADIODIFFUSION (U.E.R.)
**European Broadcasting Union (E.B.U.)**

*Seat and Administrative Office:* 37, Quai Wilson, Geneva. Technical Centre: 32 Avenue Lancaster, Brussels.
*Administrative Council:* President Sir Ian Jacob (B.B.C.), *Vice-Presidents* T. Fleischman (I.N.R., Belgium), G. Conus (Societe Suisse de Radiodiffusion, Switzerland). Administrators: L. Daumard (Radiodiffusion Française). S. Sernesi (Radio Italiana.) K. Fostervoll (Norsk Rikskringkasting, Norway). T. Hayani (Administration Generale des Postes, Télégraphes et Radiodiffusion, Syria). Alternates: J. Boon (Belgium). C. Bonami (France). G. F. Zaffrani (Italy). O. Devik (Norway). R. D. Marriott (United Kingdom). Ch. Gillieron (Switzerland). S. Moussly (Syria). – *Director of the Administrative Office* Leo Wallenborn, *Deputy-Director* Dr. G. Straschnov. – *Director of the Technical Centre* H. Augles d'Auriac.
**Members:** The broadcasting organizations of: Belgium, Denmark, Egypt, France, Greece, Ireland, Italy, Lebanon, Luxembourg, Morocco/Tunisia, Monaco, Norway, Netherlands, Portugal, Sweden, Switzerland, Syria, Turkey, United Kingdom, Vatican City, Yugoslavia.
**Publications:** Periodical Bulletin (every two months). Various technical documents.

### ORGANISATION INTERNATIONALE DE RADIODIFFUSION OIR. INTERNATIONAL BROADCASTING ORGANISATION.

*Address:* 15, Mozartova, Prague XVI, Czechoslovakia.
*Cable:* INTERADIF PRAHA.
*Nature:* International Organization, having scientific purpose, formed in the spirit of the United Nations Charter, articles 55, 56, 57, 58, 59 ,62, 63, 64 and 70.
*Aims:* To establish ties between the various broadcasting organizations, to arrange for the exchange of information between its members on technical progress and the methods used in all branches of broadcasting work, to uphold the interests of broadcasting, to seek solutions to broadcasting problems through international collaboration, to work out measures for the general development of broadcasting, especially along the lines of technical organization.
*Governing Body:* General Assembly consisting of 1 (one) representative for each full member.
*Administrative Board:* Consisting of 7 to 13 members. – Chairman: A. I. Koloskov (Union of Soviet Socialist Republics). – Vice-Chairmen: M. Soccor (Rumanian People's Republic). K. Stahl (Czechoslovakia).–Members of Administrative Board: P. M. Uusman (SSR of Esthonia). M. Nikolov (People's Republic of Bulgaria). I. Szirmai (Hungary). P. Kito (People's Republic of Albania). – Secretary-General: J. O. Dolezal.
*Members:* Full and associate members: The main broadcasting organizations in the following countries are full members: People's Republics of Albania, SSR of Byelorussia, People's Republics of Bulgaria, Czechoslovakia, SSR of Esthonia, Finland, Hungary, SSR of Finnish Carelia, SSR of Latvia, SSR of Lithuania, SSR of Moldavia, Republic of Poland, Rumanian People's Republic, Syria, SSR of Ukranie, Union of Soviet Socialist Republics, Yugoslavia.
*Facilities:* Technical Control Centre: Prague, Czechoslovakia.
*Finances:* Contributions and subscriptions from members; donations, bequests, grants and proceeds from publications.
*Meetings:* General Assembly at least twice a year, Administrative Board at least four times a year.
*Publications:* Information and Documentation Bulletin in English, French and Russian issued every three months. Title of French edition: "La Radio dans le monde".
*Relations with other Intern. Organizations:* Official relations with the ITU and its advisory committees.
*Short history:* Established by a Contintuent Assembly in June 1946.

## EUROPE

### ALBANIA

**Population:** 1.200.000. **Licensed Listeners:** 42.000.

| **Stations:** | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Korça | 1088 | 275.7 | 10 | Korça | 7430 | 40.39 | 3 |
| Shkodra | 1088 | 275.7 | 10 | Tirana | 7853 | 38.22 | 3 |
| Tirana | 1358 | 220.9 | 100 | Shkodra | 8215 | 36.52 | 3 |
| Gjinokastra | 1430 | 209.8 | 5 | Shkodra | 8264 | 36.18 | 3 |
| Hekurudha | 1484 | 202.2 | 5 | Tirana | 9960 | 30.11 | 3 |
| Tirana | 6081 | 49.32 | 3 | Tirana | 15765 | 19.03 | 3 |

**Daily Programs** in *Albanian:* On 220.9 m.
*Weekdays:* 05.30–07.30, 13.30–14.30, 16.30–22.00.
*Sun.:* 06.00–22.00.
**On Short Waves.**
*On* 38.22 *m* from 17.30–21.00.

| | | | |
|---|---|---|---|
| 17.30 | Albanian | 19.15 | Turkish |
| 17.45 | Albanian | 19.30 | Serbo-Croat |
| 18.00 | Greek | 19.45 | Slovene |
| 18.15 | Italian | 20.00 | Bulgarian |
| 18.30 | Russian | 20.15 | English |
| 18.45 | French | 20.30 | Albanian News. Music. |
| 19.00 | Roumanian | 21.00 | Close down |

*On* 36.52 *m* from 06.00–07.00, 12.30–14.00, 16.30–20.00.
**Verification** by letter.

### RADIO ANDORRA

**Address:** "Emisiones Radio Andorra" Andorra la Vieja, Principado de Andorra. – *Cable:* "Radio-Andorra", Andorra. – *Advertising* allowed.
**Leading Personalities:** Chairman Mr. Vila Llobet. Manager Mr. Maurice Perrot. Chief Engineer Mr. Lucien Willmayer. Director of Programs Mr. Jean Vincent.

One of the charming female announcers of Radio Andorra. – She does not want her name published.

OIR Europe Albania Andorra Radio Andorra

**Stations:** *Radio-Andorra.*

| | | | |
|---|---|---|---|
| 827 kc/s | 362.0 m | 60 kW | |
| 5995 – | 50.04 – | 25 – | |
| 9330 – | 32.15 – | 25 – | inactive. |

**Daily Programs** in *French* and *Spanish:* 11.30–14.00, 18.00–24.00.
*News:* 12.20, 18.00, 20.18 (Sat. 19.03).
"*Le Concert des Auditeurs*" (*Variétés*): Daily 13.05, 21.50.
"*Apéritif en Chansons*" (*French*): 11.40–12.00.
**Announcement:** *French:* "Ici Radio-Andorre" (man's voice). *Spanish:* "Aqui Radio-Andorra" (woman's voice).
**Interval Signal:** Gong. – **Verification** by letter.

## AUSTRIA

**Population:** 7.000.000. **Listeners:** 1.292.720.

**THE BLUE DANUBE NETWORK (American Zone).**
**Address:** HQ USFA, APO 777, US Army, Austria.
**Leading Personalities:** Chief of Blue Danube Network Mr. Bill Willey. Program Director Mr. Reginald B. Sanders. Chief Engineer Mr. Clifford E. Meyers. Station Manager, Salzburg, Mr. Robert R. Pyper. Station Manager, Linz, Mr. Jewell R. Tanksley. Chief of News Mr. Ralph E. Reynolds.

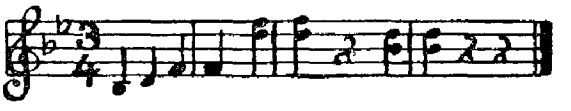
| **Stations:** | kc/s | m | kW |
|---|---|---|---|
| Linz KOFA | 773 | 388.1 | 1 |
| Vienna WOFA | 1142 | 262.7 | 1 |
| Salzburg BDN | 1313 | 228.5 | 1 |
| Salzburg BDN | 9617 | 31.20 | 0.35 |

**Daily Programs in English:** *Weekdays:* 05.00–23.00, *Sundays:* 06.00–23.00.
*News:* Weekdays: 05.30, 06.15, 09.00, 11.00, 13.00, 15.00, 17.15, 20.00, 21.45, 22.55. Sun.: 11.00, 17.00, 20.00, 22.55.
"*This World this Week*": Sat. 21.45, Sun. 07.00. – *USFA Bulletin: Weekdays* 07.00, 16.45. – "*The Week in Austria*": Sun. 12.30. – *USFA Bulletin:* Weekdays 07.00, 16.45. "*BDN Breakfast Club*": Weekdays 07.15. – *Concert Hour:* Weekdays 15.02. – *Philharmonic Concert:* Sun. 16.00. *Hillbilly Music:* Mo. Fri. 14.00, Sat. 12.30, 18.30. – "*Harvest of Stars*": Sun. 17.30. – "*Your Hit Parade*": Sat. 19.30, Sun. 08.30. – "*Fred Waring*": Sat. 21.00. – "*Charlie Mc. Carthy*": Sun. 18.00. – "*Jack Benny*": Sun. 19.30, Mo. 09.30. – "*Fibber McGee & Mally*": Tues. 19.00. "*Dennis Day*": Tues. 21.00, Wed. 09.30. – "*Bing Crosby*": Thurs. 20.30. – "*Red Skelton*": Thurs. 21.30, Fri. 09.30. "*Judy Canova*": Sat. 19.00.
**Announcement:** "This is the Blue Danube Network. BDN serving United States Forces in Austria".
**Interval Signal:** Time tones on the hour with five seconds interval. – **Verification** by QSL-card.

**SENDERGRUPPE ROT-WEISS-ROT (American Zone).**
**Address:** Sendergruppe Rot-Weiss-Rot, Seidengasse 13, Wien VII. – Hofstallgasse 5, Salzburg. – Obere Donaulaende 1, Linz.
**Leading Personalities:** Chairman of the Board of Directors Mr. Andreas Reischeck. Director of Programs for Vienna Mr. Josef R. Sills. Director of Programs for Salzburg Dr. Geza Rech. Director of Programs for Linz Mr. Emmerich Zillner. Chief Engineer Dr. Ing. Rudolf Stamminger.

| **Stations:** | kc/s | m | kW |
|---|---|---|---|
| Vienna RWR | 755 | 397.4 | 15 |
| Salzburg RWR | 1250 | 240.0 | 5 |
| Linz RWR | 1394 | 215.2 | 15 |
| Vienna RWR | 9563 | 31.37 | 0.2 |

**Daily Programs** in *German:* 04.57–23.00.
*News:* (W = Weekdays. S = Sun.): 05.00, 06.00 (W), 07.00 (S), 09.00 (W), 11.30, 17.00 (W), 19.00, 21.00, 22.55.
"*America calling Austria*": 18.00, 18.45. – *Salzburg Mozarteum Orchestra:* Mo. 19.15. – *Concert Before Midnight:* Tues. 22.00. – *Hans Hagen Conducts:* Wed. 19.15. – *RWR-Theatre:* Thurs. 19.15. – *Concert or Opera:* Fri. 19.15 or 20.00, Sun. 14.00. – "*Quiz.-Show*": Sat. 14.00. – "*Yesterday's Best Show*": Weekdays 07.45.
**Announcement:** "Hier ist die Sendergruppe Rot-Weiss-Rot, Wien auf Welle 397.4 m, Salzburg auf Welle 240 m, Linz auf Welle 215.2 m und der Kurzwellen-Sender im 31 Meter Band".
**Interval Signal:** The first four bars of the "Blue Danube" by Johann Strauss.



**Verification** by QSL-card.

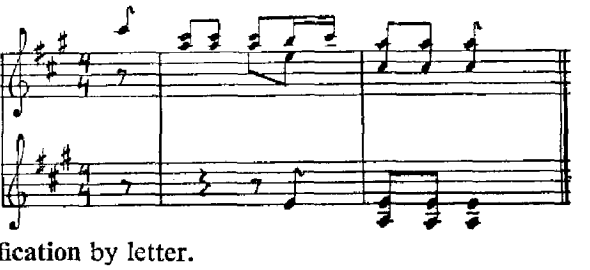
**SENDERGRUPPE ALPENLAND (British Zone).**
**Graz and Klagenfurt Commercial.**
**Address:** Sendergruppe Alpenland, Funkhaus Graz, Zuserthalgasse 14a, Austria.
**Leading Personalities:** Director Ing. Dietrich Cordes. Director of Music Mr. Ernst L. Urav. Chief Editor Mr. Artur Kremsner. Chief Engineer Ing. Kurt Weinschenk.

| **Stations:** | kc/s | m | kW |
|---|---|---|---|
| Graz II | 519 | 578.0 | 0.2*) |
| Schönbrunn | 566 | 530.0 | 15 |
| Graz I | 719 | 417.2 | 15 |
| Klagenfurt I | 719 | 417.2 | 15 |
| Graz Dobl | 1025 | 292.7 | 100**) |
| Klagenfurt II | 1311 | 228.9 | 0.2*) |

*) to be changed to 1475 kc/s (203.4 m).
**) Incorporated in the BBC European Service.

**DAILY PROGRAMS IN GERMAN:**
**First Program. Graz I, Graz-Dobl., Klagenfurt I:**
*Weekdays:* 04.57–08.00, 09.00–23.00 (Sat. 24.00). *Sun:* 05.30–24.00.
**Station Dobl:** Weekdays 09.30–13.00. Sun: 07.00–15.00 (see BBC).
*News:* (W = Weekdays. S = Sundays). 05.00 (W), 06.00, 07.00, 08.00 (S), 11.30, 16.00, 19.00, 21.00, 22.55.
*Request Concert:* Sun. 17.00. – "*Gedanken zur Zeit*": Sun. 18.30. – *Concert:* 16.10.
**Second Program (Graz II and Klagenfurt II only):**
*Weekdays:* 17.30–22.00. *Sun:* 08.00–13.00, 17.00–22.00.
*News:* 11.30 (S), 19.00, 21.00.
**Announcement:** "Hier ist die Sendergruppe Alpenland".

**Interval Signal:**



**Verification** by letter.

**BRITISH FORCES NETWORK (British Zone).**
**Address:** B.7 Forces Broadcasting Station (H.Q., F.B.S. Austria), British Troops in Austria, Opernring No. 6, Graz I.

**Leading Personalities:** Controller Forces Broadcasting Service Austria Capt. R. L. Angove, ALCM. Program Compiler Mr. E. D. King. Technical Officer Mr. A. F. Thorpe, MBE.

**Stations:**

| | | | |
|---|---|---|---|
| Graz B7 FBS | 565 kc/s | 531.0 m | 1 kW |
| Klagenfurt C12 FBS | 565 – | 531.0 – | 0.25 – |
| Vienna C13 FBS | 868 – | 345.0 – | 0.8 – |

**Daily Programs in English:** *Weekdays* 05.58–08.00, 09.28–13.15, 15.55–22.00. *Sat.* 05.58–08.00, 09.28–23.00. *Sun.* 06.58–22.00.
*BBC News:* 06.00, 07.15, 11.00, 13.00, 16.00, 18.00, 20.00. *Mailbag* (Request program from Forces Listeners): Daily 16.30–17.30. Tues. and Fri. devoted to Concert and Sun. to requests from United Kingdom.
**Announcement:** "This is the British Forces Network, Austria" or "You are listening to the Forces Broadcasting Service, Austria, operating from stations in Graz, Klagenfurt and Vienna". Opening Melody: "Rule Britannia", Closing Melody: "The King".
**Verification** by letter. Return postage is required.

**SENDERGRUPPE WEST (French Zone) Commercial.**
**Address:** Sender Innsbruck, Landhaus, Neubau, Innsbruck. – Sender Vorarlberg Dornbirn, Rathausplatz 1, Dornbirn.
**Leading Personalities:** *Innsbruck:* Chief of Broadcasting Reg. Rat. Dr. Josef Scheidle, Tiroler Landesregierung. Director of Programs Dr. Arthur Schuschnigg. Chief Engineer Ing. Guglberger. *Vorarlberg Dornbirn:* Chief of Broadcasting Bundesrat a. D. Eugen Leissing. Director of Programs Mr. Ludwig Standl.

**Stations:**

| | | | |
|---|---|---|---|
| Dornbirn | 629 kc/s | 477.0 m | 6 kW |
| Innsbruck | 629 – | 477.0 – | 2 – |
| Innsbruck | 6000 – | 50.00 – | 0.5 – *) |

*) to be increased to 20 kW.

**Daily Programs** in *German:* Weekdays 05.00–08.00, 09.15–13.10, 15.00–23.00. Sat. 05.00–08.00, 10.00–23.00. Sun. 06.00–23.00.
*News:* (W=Weekdays. 05.00 (W), 06.00, 11.30, 19.00, 21.00. *News in French* (from Paris): 07.00, 12.45, (Mo. Fri.), 13.00 (Sat. Sun.).
*Symphony Concert:* Sun. 09.00. Wed. 19.45. – *Radio Theatre:* Thurs. 19.15. – *Music:* Daily 15.00.
The short wave stations relay the medium wave program except from 17.00–20.00, when used by the French Control Committee.

**Announcement:** "Österreichische Sendergruppe West, Studio Innsbruck, Radio Vorarlberg (Studio Innsbruck Studio Dornbirn)". Closing with "Andreas Hofer March".
**Interval Signal:** *Innsbruck:* First movements of: "Mein schönes Innsbruck am grünen Inn". (Musical Box).

Closing with Andreas Hofer Song.

*Vorarlberg-Dornbirn:* "Segenvolle Ahnenscholle, schönes Land am jungen Rhein".

**RAVAG (U. S. S. R. Zone).**
**Address:** Öffentlicher Verwalter für das österreichische Rundspruchwesen, Ravag, Wien IV, Argentinierstrasse 30A (Funkhaus).
**Leading Personalities:** Öffentlicher Verwalter für das österreichische Rundspruchwesen, Dr. Siegmund Guggenberger. Director of Programs, Dr. Rudolf Henz. Technical Director Ing. Wilhelm Füchsel. Provisional Administrator, Director Alfred Garhofer.

**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Vienna I | 584 | 513.8 | 35 | Vienna IV | 7245 | 41.41 | 0.3 |
| Vienna II | 1475 | 203.4 | 2 | Vienna I | 9665 | 31.04 | 0.3 |
| Vienna III | 6154 | 48.74 | 0.2 | Vienna II | 11785 | 25.45 | 0.2 |

**Daily Programs** in *German:*
**Vienna I** on 584, 6154, 11785 kc/s: *Daily* 04.40 (Sun. 05.30)–24.00.
*News:* (W=Weekdays. S=Sun.) 04.50 (W), 06.00, 07.00 (W), 11.45 (W), 12.00 (S), 16.00, 19.00, 21.20, 23.00. – *News from Soviet:* 21.40. – *Russian Press Review:* 16.50 (Sat. 17.00). – *Concerts:* Weekdays 10.45, 12.00, 13.00. "*Echo des Tages*": 18.30. – *Russian Program:* Sun. 10.15. "*Bunte Stunde*": Sun. 17.30. – *Opera or Operette:* Tues. 19.15 ("Wiener Staatsoper", every third Tues.). – "*Das ist mein Oesterreich*": 16.10, every second Sat. – "*Bunte Samstagsendung*": Sat. 19.15. – "*Russian Hour*": Sun. 19.15.
**Vienna II** on 1475, 7245, 9665 kc/s: *Weekdays* 04.40–13.00, 14.00 (Sat. 13.50)–22.45. *Sun.* 05.30–22.45.
*Weekdays:* Relay of Vienna I until 13.00, thereafter: *News:* 18.45 (W), 21.00 (W). – *Concert (Sat. Cabaret):* 16.10 (W). – "*Echo des Tages*": 21.40 (W). – *Orchestral Concert:* Wed. 19.45. – *Program-Exchange Paris-Vienna:* 19.00 Mo. from Paris; Fri. to Paris.
**Announcement:** "Hier ist Radio Wien auf... (Wavelengths)".
**Interval Signal:** Tick-Tock of an alarm clock.
**Verification** by letter.

## BELGIUM

**Population:** 8.500.000. **Licensed Listeners:** 1.300.000.
**Address:** The Belgian National Broadcasting Service, Box 26, or Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Brussels. *Cable:* I.N.R. Bruxelles.
**Leading Personalities:** The President of the Conseil de Gestion Minister of Communications: Mr. Paul Segers. *Flemish Dept.:* Director General, Mr. Jan Boon. Director of Music Mr. P. Collaer. Director of Spoken Word Mr. Raymond Brulez. For Press and Information Mr. Herman Engels. *French Dept.:* Director General Mr. Theo Fleischman. Asst. Director General Mr. Roger Clausse. Director of Music: Mr. René Tellier. Director of Spoken Word: Mr. Frans Hoosemans. For Press and Information Mr. André Guèry. *Overseas Dept.:* Director Mr. Franz Zoete. *Technical Dept.* Director General Mr. Fernand Mortiaux. Asst. Director General Mr. Georges Hansen *Foreign Relations* Mr. M. Swaenepoel.

**STATIONS:**
**French Network.**

| | | | |
|---|---|---|---|
| Brussels I | 620 kc/s | 483.9 m | 20 kW |
| Brussels III | 1124 – | 266.9 – | 10 – |

**Flemish Network.**

| | | | |
|---|---|---|---|
| Brussels II | 926 kc/s | 323.9 m | 20 kW |
| Brussels IV | 1511 – | 198.5 – | 5 – |

**Short Wave Stations.**

| | | | |
|---|---|---|---|
| Ruyselede | 17845 kc/s | 16.82 m | 5 kW |
| FM | 98.5 mc/s | 3.045 – | 1 – |

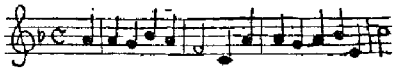
**DAILY PROGRAMS in French:**
**Brussels I:** *Weekdays*: 05.30–09.00, 11.00–23.00. *Sun:* 05.30–23.00.
*News:* 06.00, 07.00, 12.00 ,18.45, 21.00, 21.55.
*Symphony:* Wed. 19.00. – *Play:* Thurs. 19.00. – *Variety:* Fri. 19.00. – *For Troops:* Sun. 16.30, Weekdays 17.00. – *Music:* Daily 05.30, 06.10, 08.10, 11.05, 19.00, 21.15, 22.00.
**Brussels III:** Relay from Walloon Regional Studios: Hainaut, Liége, Namur, Luxembourg.
*Weekdays:* 09.00–18.15, 19.00–23.00. *Sun:*. 08.00–18.30, 19.00–23.00. *Programs in German:* Weekdays 18.15–18.45.

**DAILY PROGRAMS in Flemish:**
**Brussels II:** *Weekdays:* 05.30–09.00, 11.00–23.00. *Sun.:* 05.30–23.00. –
*News:* 06.00, 07.00, 08.00, 12.00, 18.00, 21.00, 22.00.
*Symphony:* Fri. 19.30. *Bel Canto:* Sun. 13.00. – *Music:* 05.30, 06.10, 07.15, 08.05, 11.00, 12.15, 16.15, 18.30, 21.15. *For Troops:* Daily 17.30.
**Brussels IV:** Relay of Flemish Regional Studios: Courtrai, Antwerp, Ghent, Hasselt: Daily 09.00(Sun. 08.00)–23.00.

**DAILY PROGRAMS on Short Wave from Ruyselede:**
Programs and information to be monitored for use on short wave by OTC and OTM.
On 16.85 m from 16.00–17.00 and from 21.00–22.00.

**DAILY PROGRAMS on FM:**
*Weekdays:* 13.00–14.00, 19.00–21.00. *Sun.:* 19.00–21.00. Relay Brussels I and Brussels II.
**Announcement:** "Ici Radiodiffusion Nationale Belge". In *Flemish:* "Belgische Nationale Radio-Omroep". – For *Ruyselede:* "Allo Leopoldville – Ici Bruxelles Emission Mondiale del' I. N. R.".
**Interval-Signals:** Brussels I: Extract from Grétry's famous melody "Où peut-on être mieux".

Brussels II: The first movement of "Beiaardlied" (Extract of Rubens' cantata by Peter Bénoit).



**Verification** by letter.

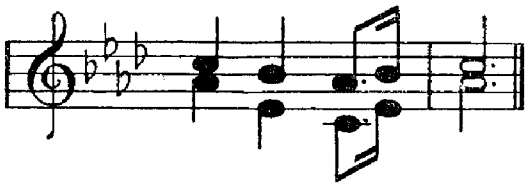
## BULGARIA

**Population:** 6.850.000. **Licensed Listeners:** 215.000.
**Address:** Direction de la Radiodiffusion Sofia, Bulgaria.
**Leading Personalities:** Director of Bulgarian Broadcasting Mr. Carlo Lukanov. Director of Programs Mr. Tchudomir Petrov. Chief of Musical Dpt. Mr. Naydem Naydenov.

**Stations:**

| | | | |
|---|---|---|---|
| Sofia II | 593 kc/s | 506 m | 60 kW |
| Sofia I | 827 – | 362 – | 100 – |
| Varna | 1124 – | 266.9 – | 5 – |
| Stara Zagora | 1223 – | 245 – | 20 – |
| Sofia III | 7670 – | 39,11 – | 5 – |

**Daily Programs** in Bulgarian: Sofia I, Sofia II and Sofia III.
On 362 m. Weekdays: 03.55–08.00, 09.55–14.00, 15.25–21.00. *Sun.:* 04.25–08.30, 9.55–14.00, 14.55–21.00.
On 506 m. *Weekdays:* 14.55–21.00. *Sun.:* 08.30–10.00, 14.00–21.00.
On 39.11 m. 03.55–06.30, 10.00–14.00, 18.00–22.00.
*News in Bulgarian:* 04.00, 11.30, 18.30, 20.30.
*News in English on 7670 kc/s:* 20.45, 21.45.
**Announcements:** *Opening:* A Bulgarian march and "Govori Sofia, Govori Sofia". In *French:* "C'est Sofia qui parle". In *English:* "This is Radio Sofia calling in the Anglo-American Service of the Bulgarian Broadcasting System".
**Interval Signal:** The first notes of a popular song.



**Verification** by QSL card or letter.

## CZECHOSLOVAKIA

**Population:** 12.090.164. **Licensed Listeners:** 2.280.000.
**Address:** Czechoslovensky rozhlas, Stalinova 12. Praha
**Leading Personality:** Director General: Kazimir Stahl.

**Stations:**
*Long and Medium Waves:*

| | | | |
|---|---|---|---|
| Ostrava | 272 kc/s | 1102.9 m | 7 kW |
| Prague | 638 – | 470.2 – | 120 – |
| Brno I | 953 – | 314.8 – | 100 – |
| Bratislava | 1097 – | 273.5 – | 100 – |
| Czechoslovak Network M | 1232 – | 243.5 – | 100 – |
| Kosice | 1286 – | 233.3 – | 100 – |
| Liberec | 1484 – | 202.2 – | 0.5 kW |
| Usti nad Labem | 1484 – | 202.2 – | 0.5 – |

*Short Waves:* 30 kW.

| kc/s | m | kc/s | m | kc/s | m |
|---|---|---|---|---|---|
| 6010 | 49.92 | 9550 | 31.41 | 11875 | 25.26 |
| 6030 | 49.75 | 9670 | 31.02 | 11900 | 25.21 |
| 6115 | 49.06 | 11760 | 25.51 | 15160 | 19.79 |
| 6170 | 48.62 | 11840 | 25.34 | 15230 | 19.70 |
| 9504 | 31.57 | | | | |

**DAILY PROGRAMS IN CZECK**
**Prague:** 04.00–07.10, 08.45–23.10.
**Ostrava:** 04.00–08.50, 10.00–15.00, 16.00–21.30.
**Brno I:** 04.00–07.10, 08.45–14.00, 15.00–23.10.
**Czechoslovak Network M:** 04.00–06.30, 08.00–22.00.
**Liberec:** 07.00–08.05, 16.55–19.05.
**Usti nad Labem:** 04.00 05.00,16.58—19.05.
*News:* 04.00, 05.00, 06.00, 11.30, 15.00 (Regional news), 18.00, 21.30, 23.00.
*Program Preview:* 06.15. – *Night Concert:* 22.00–23.00. –

*Cabaret:* Mo. 19.00–19.50. – *Esperanto:* Mo. Wed. 21.50–22.00. – *Opera:* Tues. 14.30–15.00.– *Dance Music:* Tues. 14.30–15.00. – *Folk Music:* Fri. 14.30–15.00. – *Chamber Music:* Fri. 15.20–16.00. – *Saturday Concert for Workers:* 15.15–18.00. – *Political Education (once a month):* Fri. 19.30–20.00.

**DAILY PROGRAMS IN SLOVAK**

**Bratislava:** 04.00–12.50, 14.00–22.00.

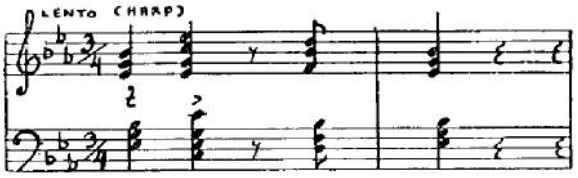
**Kosice:** 04.00–07.05, 08.45–13.00, 14.00–22.00.

**Daily Programs on Short Wave:**

| | kc/s | |
|---|---|---|
| 23.00–23.30 | 9550 | Yugosl. |
| 23.00–23.45 | 11840 | Concert |
| 23.30–00.30 | 9550 | Spain |
| 23.55–01.00 | 15230 | USA |
| 01.55–03.00 | 15230 | USA |
| | 11840 | |
| 03.25–04.00 | 11840 | USA |
| | 15320 | |
| 04.30–05.30 | 11840 | Yugosl. |
| | 9550 | |
| 05.55–06.25 | 15230 | Spain |
| 06.30–06.45 | 11840 | Italy |
| 08.55–09.30 | 11760 | U.S.S.R. |
| 11.10–11.30 | 11840 | England |
| 12.55–13.35 | 11840 | Greece |
| *11840 and 9550 kc/s* | | |
| 15.15–15.30 | Records | |
| 15.31–16.25 | Yugosl. | |
| *9670 and 9550 kc/s* | | |
| 20.30–20.45 | Greece | |
| | (only 11840) | |
| 20.45–21.00 | Scandinavia | |
| 21.00–21.15 | Spain | |
| 21.15–21.45 | France | |
| 16.30–16.45 | Greece | |
| 16.45–17.00 | Records | |
| 17.00–17.15 | Austria | |
| 17.15–17.25 | Records | |
| 11840 *and* 9550 *kc/s.* | | |
| 17.30–18.00 | Yugosl. | |
| 18.00–18.15 | France | |
| 18.15–18.30 | Records | |
| 18.30–18.45 | Germany | |
| 18.45–19.00 | Records | |
| 19.00–19.30 | Yugosl. | |
| 19.15–19.45 | England | |
| | (only 9550) | |
| 19.30–19.45 | Records | |
| | (only 11840) | |
| 19.45–20.00 | Italy | |
| 20.00–20.15 | France | |
| 20.15–20.30 | Spain | |
| 20.30–20.45 | England | |
| | (only 9550) | |
| 21.45–22.00 | Italy | |
| 22.00–22.15 | Yugoslavia | |
| 22.15–22.30 | England | |
| 22.30–22.45 | Spain | |
| 22.45–23.00 | Italy | |

**Announcements:** "This is the voice of Czechoslovakia – Prague calling her English speaking friends everywhere" – "Ni hör nu den skandinaviska Kortvågsudsändingen från Prag" – "Hier ist Prag in deutscher Sprache" – "Govori Praga, Govori Praga" (Yugoslav).

**Interval Signal:** The beginning of the symphonic poem "Vysehrad" by Smetana, played on a harp:




**Verification** by QSL-card or letter.

## DENMARK

**Population:** 4.045.232. **Licensed Listeners:** 1.216.586.

**Address:** Statsradiofonien, Radiohuset, Rosenørnsalle 22, Copenhagen. *Cable:* Statsradio.

**Leading Personalities:** Director Mr. F. E. Jensen. Chief. of Administration Mr. A. C. Nielsen. Chief of Music Department Mr. Peder Gram. Chief of Talks Department Mr. Arne Fog-Petersen. Chief of Drama Department Mr. Henning Rohde. Chief of Reportage Department Mr. Aksel Dahlerup. Chief of Information Department Mr. Paul Berg. Chief of News Department Mr. N. Grunnet. Chief of Short Wave Department Mr. Jens Rosenkjær. Chief of Entertainment Dept. Mr. Jens Fr. Lawaetz.

Denmark: American Announcer to North America Miss *Marianna Linard.*

Denmark: Danish Announcer to North America Mr. *Peer Møller.*

| **Stations:** | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Kalundborg | 245 | 1224 | 60 | Copenhagen | 1430 | 210 | 30 |
| Kalundborg | 1061 | 283 | 5 | Copenhagen | 1484 | 202 | 2 |

**Short Waves** 50 kW.

7260 kc/s 41.32 m – 9520 kc/s 31.51 m – 15165 19.78 m

**FM-transmitters:** 90.7 mc/s 5 kW – 96.5 mc/s 5 kW

**Televisiontransmitter:** Video 62.5 mc/s sound 67.75 mc/s 100 W exper. Scanning rate 625 lines with 25 pictures per second.

**DAILY PROGRAMS ON LONG- AND MEDIUM WAVES**

*Weekdays:* 05.15–22.30. *Sundays:* 07.00–22.30.
(From 17.45–22.30 also on 31.51 m).
On FM from 11.00–22.30. On short wave 7260 kc/s from 17.45–22.30.

**Highlights of Programmes:**

*Symphony-Concert: Thursdays* from 7/9–12/4 at 19.00 exc. the last *Thursday* in every month.

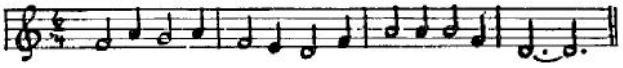
*Popular Concerts: Sundays* from 15.00–16.30 and from 19.00–20.00 September to April.

*Plays:* Every *Friday* between 19.00 and 21.00.

*Topical Hours:* Daily from 18.00–18.15 – recording from events of the day.

**Announcement:** "Danmarks Radio, København–Kalundborg (og Kortbølgesenderen)".

**Interval Signal:** From an old Danish folksong.



*Daily* at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.

**DAILY PROGRAMS ON SHORT WAVES:**

02.00–03.30 (Mo. 02.00–03.00) 9520 kc/s, 31.51 m, to North America.

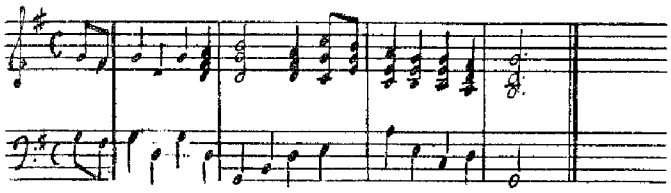
00.00–01.00 (Tues. Thurs. Sat.) 15165 kc/s, 19.78 m, to South America.

10.00–11.00 (Tues. Thurs. Sat.) 15165 kc/s, 19.78 m, to East.

12.30–12.50 (Weekdays) 7260 kc/s, 41.32 m to Faroe Islands.

Denmark Marianna Linard Peer Møller

14.00–15.00 (Sun.) 7260 kc/s, 41.32 m to Faroe Islands. 17.35–22.30 7260 kc/s, 41.32 m. Non-Directional.
Programmes consist of News in Danish, Danish Music and Songs, Talks and Features about life in Denmark and Reportages. Every day summary in English is given (to North America and East) and every Friday 00.30–01.00 30 min. special program in Spanish (to South America). Every transmission begins with the chimes of the Town Hall, followed by the National Anthem.
*DX-news* are included in a program entitled "Everybody's program" broadcast Tuesday at 03.00–03.30 on 9520 kc/s and every second Tuesday at 10.20–10.50 on 15165 kc/s.
**Interval Signal:** The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



**Announcement:** Danmarks Kortbølgesender. – This is the Danish shortwave transmitter.
**Message to Listeners:** The Danish State Radio is very interested in receiving reports from listeners all over the world about programmes and reception conditions, and will to the greatest extent possible try to get in touch with countrymen and other interested listeners abroad in an endeavour to arrange the best possible short wave service. Reports answered by letter or QSL-card.
**Future Plans:**
Introduction of double program will take place approx. 1/10 1951. The new stations will be:

| | kc/s | kW | Progr. |
|---|---|---|---|
| Kalundborg | 245 | 60 | I |
| Kalundborg | 1061 | 60 | II |
| Skive | 1430 | 70 | II |
| København | 1430 | 10 | II |
| København | 1484 | 4 | I |
| Aalborg | 1484 | 0.25 | II |
| Tønder | 1484 | 0.25 | II |
| Esbjerg | 1594 | 2 | II |
| København FM | 90700 | 5 | I |
| København FM | 96500 | 5 | II |
| Television | 62250 | 0.5 | video |
| Television | 67750 | 0.3 | sound |

625 lines, negativ modulation.

## REPUBLIC OF EIRE

**Population:** 2.955.107. **Licensed Listeners:** 280.270.
**Address:** Radio Eireann, G. P. O. Dublin.

**Leading Personalities:** Director Mr. Charles E. Kelly. Deputy Director Mr. R. O. Farachain, M. A. Staff Administrative Officer Mr. A. Mac Giolla Iosa. Music Director Mr. Fachtna O h-Annracháin. General Features Officer Mr. Francis Mac Manus. Production Director Mr. H. L. Morrow. Staff Engineer Mr. J. O'Keeffe. Producer Mr. Michael O' h-Aodha.

| **Stations:** | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Athlone | 566 | 530 | 100 | Athlone | 17840 | 16.82 | 1.5 |
| Cork | 1250 | 240 | 1 | Athlone | 11760 | 25.51 | 1.5 |
| Dublin | 1464 | 202 | 2 | | | | |

**DAILY PROGRAMS** in *Irish:* 13.00 – 14.30, 17.30 – 23.00. – Sun. also 10.30–11.30.
**On Medium Wave:** *News:* In *Irish* 13.30, 18.30, 22.10. In *English* 21.55. – *Symphony:* Tues. Fri. 20.00. – *High Mass for the Sick:* Sun. 09.30–10.30.
**On Short Wave:** *News* 18.30–18.50 only on 17840 kc/s and 22.10–22.30 only on 11760 kc/s. – The other frequencies are used regularly. –

**Announcement:** "Radio Eireann". At closing down the National Anthem: "The Soldiers Song" is played.
**Interval Signal:** Opening bars of "O'Donnell Abú".

## FINLAND

**Population:** 4.100.000. **Licensed Listeners:** 690.000.
**Address:** OY Yleisradio Ab., Fabianinkatu 15, Helsinki. – *Cable:* Yleisradio – For listeners reports: OY Yleisradio Ab., Information Department.
**Leading Personalities:** General Manager Mr. Einar Sundström. Second Director Mr. O. Toivonen. Director of Finnish Programs Mr. J. Koskiluoma. Director of Swedish Programs Mr. R. Ölander. Technical Director and Chief Engineer Mr. Juho Rissanen.

**Stations:** Long and medium waves.

| | | | | |
|---|---|---|---|---|
| Lahti | 254 kc/s | 1181 m | 150 | kW |
| Oulu (Uleåborg) | 433 – | 693 – | 10 | – |
| Helsinki I (Helsinfors) | 557 – | 539 – | 100 | – |
| Kuopio | 755 – | 397 – | 20 | – |
| Turku I (Åbo) | 962 – | 312 – | 40 | – |
| Joensuu | 989 – | 303 – | 1 | – |
| Vaasa (Vasa) | 1241 – | 242 – | 10 | – |
| Helsinki II | 1484 – | 202 – | 1 | – |
| Pietarsaari (Jakobstad) | 1484 – | 202 – | 1 | – |
| Pori (Björneborg) | 1484 – | 202 – | 1 | – |
| Tammisaari (Ekenäs) | 1484 – | 202 – | 0.2 | – |
| Tampere (Tammerfors) | 1484 – | 202 – | 1 | – |
| Turku II | 1484 – | 202 – | 0.2 | – |
| Hanko (Hangö) | 1594 – | 188 – | 0.2 | – |
| Karjaa (Karis) | 1594 – | 188 – | 0.2 | – |

**Short waves:**

| | | | |
|---|---|---|---|
| Helsinki OIX7 | 49.02 m | 6120 kc/s | 10 kW |
| Pori OIX2 | 31.40 – | 9555 – | 15 – |
| Pori OIX4 | 19.75 – | 15190 – | 100 – |
| Pori OIX5 | 16.85 – | 17800 – | 15 – |

**Daily Programs on Long and Medium Waves.**
**Lahti (Finnish), Helsinki (Finnish and Swedish).**
**Weekdays:** 04.30–06.20, 08.50–12.10, 15.00–21.00.
**Sun.:** 05.45–21.00. – (W = Weekdays. S = Sundays).
*News in Swedish:* 04.45 (W), 06.10 (W), 06.40 (S), 10.40 (S), 17.15, 20.10. – *News in Finnish:* 04.30 (W), 06.00 (W), 06.30 (S), 10.30, 17.00, 20.00.
*Press Review: In Swedish* 16.45 (W). *In Finnish* 10.15 (W). *Program Preview: In Swedish* 10.50 (S). *In Finnish* 16.10 (Fri.). For the following week 08.50 (W), 09.40 (S).
*Actuality:* Swedish: 20.20 (W). – *The Bells of Åbo Cathedral:* 10.00 (W). – *Daily Mirror:* Finnish: Daily 17.15. – *Helsinki Town Orchestra:* Sun. 12.35–13.35. – *Home Letter Box:* Finnish: Mo. 11.45. – *Swedish by Radio. Finnish:* Sun. 06.50. – *Russian by Radio. Finnish:* 07.05 (S). – *English by Radio. Finnish:* Mo. Fri. 15.55. – *Scandinavian Review. Finnish:* Mo. 17.40. – *Jazz:* Tues. 15.00. – *Review from London. Finnish:* Every other week. Tues. 17.30.

*Topic of the Week. Finnish:* Wed. 12.00.–*Listeners' Choice:* Sat. 15.00. – *Night Concert:* Sat. 20.20. – *Dance Music:* Sat. 21.00.

**Highlights of Programmes:** The principal concerts of the Radio Orchestra are on *Sundays, Tuesdays* and *Thursdays,* the times varying between 18.25 and 20.00. On *Fridays* at 18.05 or 19.00 we broadcast a part of the symphony concert by the Helsinki Town Orchestra and on *Sundays* at 12.35–13.35 a popular concert by the same orchestra. These concerts take place from the beginning of September till the end of May.

**DAILY PROGRAMS ON SHORT WAVE**

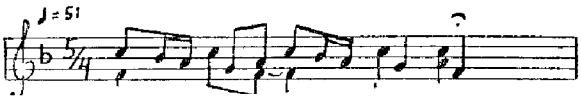
03.00–04.20. *Finnish,* on 31.40, 19.75, 16.85 m for USA.
04.20–05.00 *Swedish,* (Mon. Finnish) on 31.40, 19.75, 16.85 m for USA.
04.30–06.10 Finnish on 49.02 m*). Finnish (Thurs. Swedish).
08.50–12.10 Finnish on 49.02 m*). Finnish (Thurs. Swedish).
08.50–12.00 Finnish on 19.75 m for Europe.
12.15–12.25 English on 31.40, 19.75, 16.85 m for Europe. News and review of the Finnish press. (Only on weekdays).
12.25–13.00 Finnish on 31.40, 19.75, 16.85 m for Europe.
13.00–13.10 French on 19.75, 16.85 m for Europe. Review of the Finnish press. (Only on weekdays).
15.00–21.00 Finnish on 49.02 m*).
16.45–17.45 Finnish on 19.75, 16.85 m for USA.
21.00–22.00 Finnish on 19.75, 16.95 m for USA.
*) The same program as Lathi. These transmissions are not directional.

**Announcements:** *Finnish Programme:* "Suomen Yleisradio" followed by program announcement over all stations. *Finnish and Swedish Programme:* "Suomen Yleisradio, Finlands Rundradio" over Helsinki, Åbo, Vasa and Jakobstad.

**Interval Signals:** Every weekday at 08.45: Normal-a.

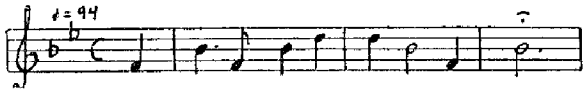
**Lahti:** A fragment of the song "Tavastland" by Palmroth before transmission from the Lathi Studio.

**Lahti** and **Helsinki:** The interval signal is based on an old Finnish Melody "Kantelemelody".

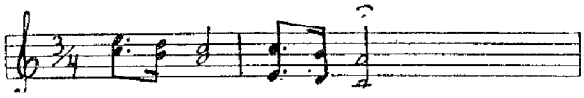


**Åbo:** A fragment of the anthem of St. Henriks.

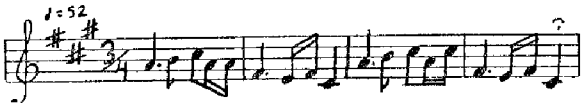
**Vasa:** The first notes of "Vasa March" by Karl Collan.



**Kuopio:** The first notes of a well-known song about the beauty of "Kallavesi".



**Uleåborg:** Lapp yodelling.



**Verification** by QSL-card.

## FRANCE

**Population:** 40.503.000. **Licensed Listeners:** 6.706.542.

**Addresses:**

*Les Services Centraux* – Radiodiffusion Française, 107, Rue de Grenelle, Paris 70.

*Les Services Régionaux* – Direction Régionale de la Radiodiffusion Française, 36, Bld. de la Liberté, Lille. – 2, Cours de Tournon, Bordeaux. – 20, Quai Gailleton, Lyon. – 34, Rue Croix-de-Régnier, Marseille. – 6, Rue Hippolute Maringer, Nancy. – Palais du Commerce, Rennes. – Villa Greiner, 2, Av. de la Marseillaise, Strasbourg. – 78 bis, Allée Jean-Jaurés, Toulouse.

**Leading Personalities:**

**The Central Service:** President of Superior Council, Mr. P. Rivet. Director General, Mr. W. Porche. Director of "Services Généraux", Mr. Tardas. Technical Director, Mr. Leschi. Director of Programs, Mr. P. Gilson. Chief of Commentaries and Transmissions, Mr. J. Calvel. Director of The European and Overseas Services, Mr. Rollin. Director of "National Program", Mr. H. Barraud. Director of "Parisienne Program", Mr. Arno Charles Brun. Director of "Paris-Inter", Mr. Brechignac. Chief of "Club d'Essai", Mr. Tardieu.

**The Regional Services:** Regional Directors:
*Lille:* Mr. Pons. – *Bordeaux:* Mr. Dieuaide. – *Limoges:* Mr. Sudrie. – *Lyon:* Mr. Wadin. – *Marseille:* Mr. Besse. – *Nancy:* Mr. Villatte. – *Rennes:* Mr. Favennec. – *Strasbourg:* Mr. Caussidery. – *Toulouse:* Mr. Beral.

**STATIONS:**

**National Network** ("Rèseau Branley"). –

| | | | | |
|---|---|---|---|---|
| Strasbourg II | 164 kc/s | 1829.0 m | 20 | kW |
| Paris I | 863 – | 347.6 – | 100 | – |
| Bordeaux I | 1205 – | 249.0 – | 100 | – |
| Pau I | 1241 – | 241.7 – | 20 | – |
| Clermont I | 1241 – | 241.7 – | 20 | – |
| Grenoble I | 1241 – | 241.7 – | 15 | – |
| Dijon I | 1241 – | 241.7 – | 20 | – |
| Poitiers | 1241 – | 241.7 – | 1 | – |
| Quimerch | 1241 – | 241.7 – | 20 | – |
| Annemasse | 1241 – | 241.7 – | 1 | – |
| Montpellier I | 1241 – | 241.7 – | 10 | – |
| Nice III | 1241 – | 241.7 – | 1 | – |
| Toulouse II | 1349 – | 222.4 – | 20 | – |
| Lyon II | 1349 – | 222.4 – | 25 | – |
| Limoges II | 1349 – | 222.4 – | 20 | – |
| Nancy II | 1349 – | 222.4 – | 10 | – |
| Rennes II | 1349 – | 222.4 – | 20 | – |
| Montélimar | 1349 – | 222.4 – | 1 | – |
| Marseille II | 1376 – | 218.0 – | 20 | – |
| Saint-Brieuc | 1484 – | 202.2 – | 0.05 | –*) |
| Lille II | 1493 – | 201.0 – | 20 | – |
| Nantes | 1493 – | 201.0 – | 10 | – |

*) to be increased to 100 kW.

**Parisienne Network.** ("Rèseau Ferrié").

| | | | | |
|---|---|---|---|---|
| Lyon I | 602 kc/s | 498.4 m | 100 | kW |
| Paris III | 674 – | 445.0 – | 24 | – |
| Marseille I | 674 – | 445.0 – | 20 | – |
| Limoges I | 710 – | 422.0 – | 100 | – |
| Rennes I | 791 – | 379.2 – | 100 | – |
| Nancy I | 836 – | 358.9 – | 20 | – |
| Toulouse I | 944 – | 317.8 – | 100 | – |
| Strasbourg I | 1160 – | 258.6 – | 20 | – |
| Lille I | 1277 – | 234.9 – | 100 | – |

| | | | | | |
|---|---|---|---|---|---|
| Quimper II | 1403 | – | 213.3 – | 20 | –*) |
| Nice II | 1403 | – | 213.3 – | 20 | – |
| Bordeaux II | 1403 | – | 213.3 – | 20 | – |
| Louvetot I | 1403 | – | 213.3 – | 20 | – |
| Montbeliard | 1403 | – | 213.0 – | 10 | – |
| Nimes | 1403 | – | 213.0 – | 2 | – |
| Perpignan | 1403 | – | 213.0 – | 1 | – |
| Montpellier II | 1484 | – | 202.2 – | 0.2 | – |

*) not yet in service.

**Paris Inter.**

| | | | | |
|---|---|---|---|---|
| Paris II | 1070 kc/s | 280.4 m | 10 | kW |
| Bordeaux III | 1070 – | 280.4 – | 1 | – |
| Lille III | 1070 – | 280.4 – | 2 | – |
| Lyon III | 1070 – | 280.4 – | 1 | – |
| Marseille III | 1070 – | 280.4 – | 1 | – |
| Nancy III | 1070 – | 280.4 – | 1.5 | – |
| Nantes II | 1070 – | 280.4 – | 0,05 | – |
| Besançon | 1484 – | 202.2 – | 0.05 | – |
| Clermont II | 1484 – | 202.2 – | 1 | – |
| Grenoble II | 1484 – | 202.2 – | 0.05 | – |
| Dijon II | 1484 – | 202.2 – | 0.25 | – |
| Toulon | 1484 – | 202.2 – | 0.05 | – |
| Limoges III | 1484 – | 202.2 – | 1 | – |
| Mulhouse | 1484 – | 202.2 – | 0.05 | – |
| Strasbourg III | 1484 – | 202.2 – | 2 | – |
| Saint-Etiènne | 1484 – | 202.2 – | 0.05 | – |
| Toulouse III (Ville) | 1484 – | 202.2 – | 0.5 | – |
| Rennes III | 1484 – | 202.2 – | 1 | – |
| Nice II | 1554 – | 193.0 – | 60 | – |

**Short Wave Stations:**

*Allouis (Y and Z) 100 kW.*

| | | | |
|---|---|---|---|
| 21740 kc/s | 13.79 m | 11700 kc/s | 25.64 m |
| 17850 – | 16.81 – | 9680 – | 30.99 – |
| 17765 – | 16.88 – | 9620 – | 31.19 – |
| 15350 – | 19.54 – | 9560 – | 31.38 – |
| 15295 – | 19.61 – | 9550 – | 31.41 – |
| 15240 – | 19.68 – | 7240 – | 41.44 – |
| 15100 – | 19.86 – | 6145 – | 48.82 – |
| 11885 – | 25.24 – | 6090 – | 49.26 – |
| 11845 – | 25.32 – | | |

*Allouis (W2) 10 kW.* *Allouis W1 100 kW.*

| | | | |
|---|---|---|---|
| 6200 kc/s | 48.39 m | 7280 kc/s | 41.21 m |

**Television Stations:**

Paris Tour Eiffel – 450 lines. *Sound:* 42000 kc/s, 7.14 m 5 kW. *Pictures:* 46000 kc/s, 6.52 m, 30 kW.
Paris Tour Eiffel – 819 lines. *Sound:* 174400 kc/s, 1.72 m, 0.5 kW. *Pictures:* 185.250 kc/s, 1.62 m, 30 kW.
Lille (Beffroi) – 819 lines. *Sound:* 174.100 kc/s, 1.72 m, 0.03 kW. *Pictures:* 185.250 kc/s, 1.62 m, 0.20 kW.

## HOME PROGRAMS

### THE NATIONAL NETWORK

**Weekdays:** 05.45–08.00. – Mo. Thurs. Sat.: 11.00–23.00. Tues. Wed. Fri.: 11.00–13.30, 17.30–23.00. – Sun.: 06.30–23.00.

**Weekdays:** *News* 06.00, 12.00, 19.00, 22.45.

*Daily:*

| | | | |
|---|---|---|---|
| 06.30 | Musical Master Pieces. | 17.30 | "Ici New York". |
| | | 18.30 | "Paris vous parle". |
| 07.00 | "Heure de la culture Francaise". *) | 20.00 | Concert or Theater. |
| | | 21.30 | "Tribune de Paris". |
| 11.00 | Chronicle and Music. | 22.20 | Chamber Music or solists. |

*) Radio Educative.

**Sundays:** *News* 07.00, 08.00, 12.00, 12.45.

| | | | |
|---|---|---|---|
| 06.30 | Music | 17.00 | Symphony Concerts |
| 08.30 | Protestant Service | 18.30 | "Paris vous parle" |
| 09.00 | Catholic Service | 19.00 | Light Music |
| 10.00 | Music | 19.30 | Variety |
| 11.00 | Variety | 20.00 | Prestige of Theater |
| 12.20 | From a Theater | 20.30 | Variety |
| 14.30 | Opera or Operette | 21.30 | Chamber Music |
| 16.15 | Variety | | |

**Highlights of Programs:**

*Concert by the National Orchestra:* Thurs. 19.00. – *Classic Theatre or "Comédie Francaise":* Thurs. 13.30. – *Variety:* Sun. 20.30. – *Theatre:* Sun. 12.20., Mo. 14.15, Sat. 19.30.

### THE PARISIENNE NETWORK

**Weekdays:** 05.30–08.15, 11.00–13.00 (exc. Mo., Sat.), 17.45–22.15. – Mo. Sat.: 13.00–22.15. – Sun.: 06.30–23.00.

**Weekdays:** *News* 05.30, 06.00, 07.00, 19.00, 22.00.

| | | | |
|---|---|---|---|
| 05.45 | A Year of Songs | 11.30 | Actuality of Paris |
| 06.15 | Music | 12.00 | Variety |
| 06.30 | "Gazette du matin" | 17.45 | Records |
| 06.45 | A Year of Songs | 18.00 | "Ainsi va le monde" |
| 07.30 | The Women and the Home | 18.30 | Light Music |
| | | 19.30 | Variety and light Music |
| 11.00 | Variety | | |

**Sundays:** *News* 07.30, 11.30, 19.00.

| | | | |
|---|---|---|---|
| 06.30 | Request Concert | 17.00 | Jazz Panorama |
| 08.00 | Music | 17.30 | "Ici New York" |
| 09.00 | Variety | 18.15 | Music |
| 11.00 | Music | 19.00 | Variety |
| 12.00 | "Les Chansonniers" | 22.15 | Dance Music |
| 12.20 | Variety | | |

**Highlights of Programs:**

*Theater:* Thurs. 19.30. Sat. 13.20. – *Variety:* Sun. 12.00, 19.30. Tues. 19.30. – *Dance Music:* 19.30.

### PARIS – INTER.

**Weekdays:** 06.00–23.15. – **Sun.** 07.30–23.15.

### RADIO – EDUCATIVE.

**Daily on the National Network:** from 07.00–08.00: "L'heure de Culture Francaise".

**Weekdays:** Radio-Sorbonne National: 08.00–11.00.

### ANNOUNCEMENTS:

**The National and the Parisienne Networks:** At opening and close down: "La Marseillaise" General announcement: "Ici Paris Radiodiffusion Francaise", programs national (or "parisien").

**Paris Inter:** "Ici Paris-Inter".

**Bordeaux:** "Ici Bordeaux Radiodiffusion Francaise".

**Lille:** The first movements of the melody "Petit Quinquin" followed by "Ici Radio-Lille — Radiodiffusion Française"

**Limoges:** "Ici Limoges – Radiodiffusion Française".

**Lyon:** The first movements of the melody "Boeufs" by P. Dupont followed by "Ici Lyon – Radiodiffusion Française".

**Marseille:** The first movements of the Provençal Suite by Darius Milhaud followed by: "Ici Marseille – Radiodiffusion Française".

**Nancy:** The first movements of "Marche Lorraine" followed by "Ici Radio Lorraine".

**Rennes:** The first movements of "Le clocher a jours" by Botrel followed by "Ici Radio Bretagne".

**Strasbourg:** The first movements of "Que notre Alsaçe est belle" followed by "Ici Strasbourg – Radiodiffusion Française".

**Toulouse:** The first movements of "Montagnards" by Roland followed by: "Ici Toulouse, Pyrénées – Radiodiffusion Française".

**DAILY PROGRAM FOR EUROPE AND OVERSEAS**

**EUROPEAN SERVICE.**

**In German to Germany:**
06.30–06.45 *Daily* on 6145 kc/s. *Weekdays* also on 164 kc/s.
11.00–11.30 *Sun.* only on 164 kc/s and 9560 kc/s.
11.15–11.30 *Weekdays* on 164 and 9560 kc/s.
18.00–18.45 *Daily* on 6145 and 6200 kc/s.
18.00–18.30 *Weekdays* on 164 kc/s.
18.30–18.45 *Sun.* on 164 kc/s.

**In Spanish to Latin America:**
23.00–23.15 *Daily* on 11700 and 9550 kc/s.

**In Spanish to Spain:**
21.00–21.45 *Daily* on 7280 and 6200 kc/s.

**In Bulgarian to Bulgaria:**
18.45–19.27 *Daily* on 9560 kc/s.

**In French to Canada:**
16.00–16.15 *Daily* except Sat. Sun. on 17850, 15240 kc/s.

**In French to Danube, Balkan:**
20.00–21.00 *Daily* on 7280 kc/s to *Tangier* and on 9680 kc/s from *Tangier.*

**In French to Middle East:**
17.30–18.15 *Daily* on 17850 kc/s.

**In English to U.S.A.:**
05.30–05.40 *Mo. Wed. Fri.* by way of Radio France.

**In English to Great Britain:**
19.45–21.00 *Daily* on 6200 and 6415 kc/s.

**In Finnish to Finland:**
17.15–17.30 *Daily* on 7280 kc/s.

**In Greek to Greece:**
11.30–11.45 On 15100 kc/s relayed by R. Athens.

**In Hungarian to Hungary:**
18.15–19.00 *Daily* on 7280 kc/s.

**In Polish to Poland:**
17.30–18.00 *Weekdays* on 1213 kc/s.
19.00–19.45 *Daily* on 6200 kc/s.

**In Portuguese to Portugal:**
21.00–21.45 *Daily* on 7240 and 6145 kc/s.

**In Rumanian to Rumania:**
18.00–18.45 *Daily* on 9560 kc/s.

**In Czech and Slovak to Czechoslovakia:**
19.00–19.57 *Daily* on 7280 kc/s.

**In Serbo-Croat and Slovenian to Yugoslavia:**
18.00–19.00 *Daily* on 7240 kc/s.

**OVERSEAS SERVICE.**
23.00–00.30 To Antilles, Guyana, et St. Pierre et Miquelon, on 9560 kc/s.
03.00–03.30 To Madagascar, Reunion, Comores, Côte, Francaise des Somalis on 9260 kc/s.
04.30–05.30 To Tahiti and Iles Marquises on 9550 kc/s.
05.45–06.45 To A.O.F. and A.E.F. on 17850 kc/s and 15240 kc/s.
07.00–07.45 To New Caledonia and New Hebrides on 17850 kc/s.
10.30–11.00 To Antilles, Guyana and St. Pierre et Miquelon on 17850 kc/s.
12.45–14.30 To Indochina on 17850 kc/s.
15.15–16.15 To Madagascar, Réunion, Comores, Côte Française des Somalis on 15350 kc/s.
19.15–20.45 To A.O.F. and A.E.F. on 17850 and 15240 kc/s.
21.30–22.00 To Indochina on 9680 kc/s.

Programs consist of: News, Press Review, Talks, Music.
* AOF = French West Africa. AEF = French Equatorial Africa.
**Announcement:** "Allô . . . (name of area) Paris vous parle".
**Verification** by QSL cards.

## GERMANY

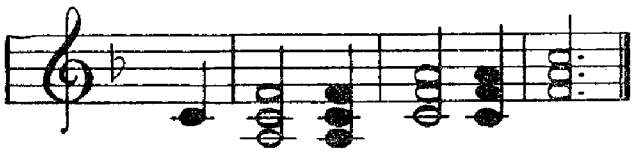
**Population:** 68,219,000 **Licensed Listeners:** 10.500.000.

**GERMAN FEDERAL GOVERNMENT**
**BUNDESREPUBLIK DEUTSCHLAND**

**BAYERISCHER RUNDFUNK (Am. Zone).**
**Population:** 9.000.000. **Licensed: Listeners:** 1.500.000.
**Address:** Der Bayerische Rundfunk, München 2, Rundfunkplatz 1. *Cable:* "Rundfunk München".
**Leading Personalities:** Intendant Mr. Rudolf von Scholtz. Director of Programs Mr. Rudolf Schneider Schelde. Chief Engineer Mr. Friedrich Zackel. Director of Administration Mr. Dr. A. F. Schmitt. Ass. Director of Administration Mr. A. Prücklmeier.

| **Stations:** | kc/s | m | kW | | mc/s | m |
|---|---|---|---|---|---|---|
| München | 962 | 312.0 | 100 | Bamberg FM | 87.7 | 3.42 |
| Hof | 962 | 312.0 | 0.3 | Würzburg FM | 87.7 | 3.42 |
| Nürnberg | 1602 | 187.3 | 20 | Nürnberg FM | 92.1 | 3.25 |
| München | 6160 | 48.70 | 10 | Wendelst. FM | 89.3 | 3.36 |
| | | | | München FM | 90.5 | 3.31 |

**Daily Programs** in *German:* Weekdays: 04.30–09.15, 10.15 (Sat. 10.30)–24.00. Sun.: 05.00–24.00. *FM-Stations* have own programs from 18.30–approx. 22.00.
*News:* (W = Weekdays) 05.00 (W), 06.00, 07.00 (W), 08.00, 12.00, 16.00 (W), 18.45, 21.00, 23.00.
*The Voice of America:* 18.00. – *Concerts:* 04.30, 11.00, 15.00. – *Dance Music:* Sat. 23.05. – "*Hafenkonzert*": Su. 05.00. – "*Volksmusik und Landfunk*": Weekdays 10.15. *Symphony:* Mo. 19.00.
**Announcement:** "Hier ist der Bayerische Rundfunk".
**Interval Signal:** "So long der alte Peter".



**Verification** by QSL-card and letter.
**Future Plans:** 12 FM Stations will be ready shortly.

**RADIO BREMEN (Am. Zone).**
**Address:** Schwachhauser Heerstrasse 363, Bremen.
**Leading Personality:** Intendant Mr. Walter Geerdes.

| **Station:** | | | |
|---|---|---|---|
| Bremen | 1358 kc/s | 221 m | 2 kW |
| Bremerhaven | 1304 – | 230 – | 2 – |

**Daily Programs:**
*Weekdays:* 05.30–08.35, 11.00–13.30 and 15.00–22.10.
*Saturdays:* 05.30–08.35, 11.00–22.05. *Sundays:* 06.00-22.10.
**Daily Programs:**
*News:* 05.30 (not. Sun.), 07.00, 08.00 (not. Sun), 11.45, 18.45, 22.00. – "*Rundschau*": Daily at 11.30 and 18.30.
**Announcement:** "Hier ist Radio Bremen".
**Interval Signal:** The notes b-d-e- (si-re-mi).
**Verification** by letter.

**HESSISCHER RUNDFUNK (Am. Zone).**
**Population:** 4.500.000. **Licensed Listeners:** 730.065.
**Address:** Hessischer Rundfunk (Anstalt des öffentlichen Rechts), Eschersheimer Landstrasse 10, Frankfurt/Main. *Cable:* Radiofrankfurt.

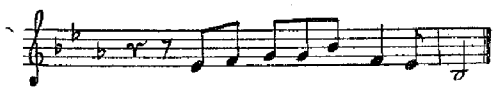
**Leading Personalities:** Intendant Mr. Eberhard Beckmann. Sub. Intendant Mr. G. Michelmann. Administrator Mr. Hans Schmorl. Chief Engineer Dr. F. Miseré.
**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Frankfurt | 1439 | 208.5 | 100 | Frankfurt | 6190 | 48.47 | 1.5 |
| Kassel | 1439 | 208.5 | 0.3 | Feldberg FM | 92900 | 3.23 | 10 |
| Fritzlar | 917 | 327.1 | 5 | Kassel FM | 90100 | 3.30 | 0.1 |

**Daily Programs:** on all frequencies exc. FM: 04.30– (Sun. 05.00)–23.00 (Sat. 24.00).
*News:* (W = Weekdays. S = Sundays). 04.30 (W) 05.30 (W), 06.00 (S), 07.00 (W), 08.00 (W), 11.45, 18.30, 21.00, 23.00. *The Voice of America:* Daily 18.00. – *News from Germany:* Weekd. 16.45. – "*Rundschau aus dem Hessenland*": Daily 04.30, 06.00, 11.30, 18.30. – *Quiz London–Frankfurt:* Sat. every two weeks 20.00. – *Play:* Mo. 19.00. – *Opera or Symphony:* Wed. 19.00.
*FM Stations:* 17.00–23.00. From 21.25 relay of Medium wave program. – *News:* Relay medium wave stations.

**Announcement:** "Hier ist Frankfurt".

**Interval Signal:** Motif from Humperdinck's Opera "Königskinder" (Waldhorn).



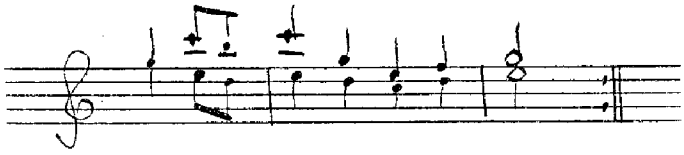
**Verification** by QSL-card. – **Future Plans:** A big FM station under construction. More small FM stations planned.

**RIAS BERLIN (Am. Sector, Berlin).**
**Address:** RIAS (Radio in the American Sector of Berlin), Berlin-Schöneberg, Kufsteiner Str. 69.
**Leading Personalities:** Director RIAS Mr. Fred G. Taylor jr. Deputy Director RIAS and Political Chief Mr. Gordon A. Ewing. Program and Production Chief Mr. K. Chevalier. Comptroller Mr. G. R. Longerbeam. Program Manager Dr. Ruth Gambke. Chief of Music Department Professor Elsa Schiller. Political Director Mr. Eberhard Schütz. Chief of Administration Mr. Hans Weber. Technical Director Mr. Albert Pösniker. Chief Public Relations Mr. Wilhelm Ehlers.
**Stations:**

| | | | |
|---|---|---|---|
| RIAS Berlin | 303 m | 989 kKz | 100 kW |
| RIAS Hof | 417 – | 719 – | 40 – |
| RIAS Berlin FM | | 93.7 – | 3 – |

**Daily Programs:**
*Weekdays:* 03.45–07.45, 09.00–01.05. *Sun.:* 03.45–01.30. The same program on both stations.
*News:* 03.45, 05.30, 07.30, 11.30, 12.30, 14.30, 16.30, 18.30, 20.30, 24.00, 01.00. – *Sun.:* 03.45, 04.30, 05.30, 11.30, 15.30, 18.30, 20.30, 24.00, 01.00.
*The Voice of US:* Daily 18.00–18.30. At 23.00–23.15 Special broadcast for the East Zone of Berlin. – *Germany in Rias:* Tues., Sat. 17.00. – *Broadcast-University:* Mo. 21.30, Tues. 21.30. – *Guenta Neumann and his Insulaner:* Approx. every first sunday of the month at 19.01. – *Symphony or Opera Concert:* Mo. 19.01. – *Quiz:* Tues. 19.01. – "*Die bunte Palette*": Tues., Thurs., Sat. 10.00.

**Announcement:** "Hier ist RIAS Berlin".
**Interval Signal:**

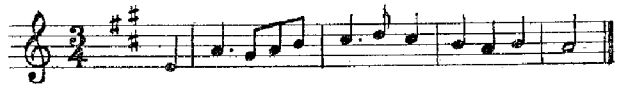


**Verification** by QSL-letters: return-postage wanted.
**Future Plans:**
A 20 kW-Shortwave-station for Berlin is planed for the first part of 1951.

**SÜDDEUTSCHER RUNDFUNK (Am. Zone).**
**Population:** 1.000.000. **Licensed Listeners:** 601.137.
**Address:** Süddeutscher Rundfunk, Neckarstrasse 145, Stuttgart – *Cable:* Rundfunk Stuttgart.
**Leading Personalities:** Intendant Dr. Fritz Eberhard. Director of Programs Dr. Peter Kehm. Administrator Mr. Friedrich Müller. Chief Engineer Dr. Helmuth Rupp. Chief Editor Mr. Hans Küffner. Chief for Studios Mrs. Cläre Schimmel.
**Stations:**

| | | | |
|---|---|---|---|
| Mühlacker | 575 kc/s | 522 m | 100 kW |
| Mühlacker | 6030 – | 49.75 – | 10 – |
| Stuttgart FM | 93700 – | 3.20 – | 0.25 – |
| Heidelberg FM | 91300 – | 3.29 – | 0.25 – |
| Degerloch FM | 90100 – | 3.33 – | 3.00 – |
| Ulm FM | 87800 – | 3.43 – | 0.25 – |

**Daily Programs:** (Weekdays exc. Sat.) 04.00–09.45, 10.45–13.05, 14.00–23.00. (Sat. 24.00) Sun. 05.00–00.00.
*News:* 04.20 (W), 05.55, 06.55, 08.00, 11.45, 20.45, 22.45. *Program Preview:* 06.10, 12.55 (Weekdays). – *The Voice of America:* 18.00–18.30. – *Opera or Operette:* Tues. 19.00. *Night Concert:* Sat. 23.00. – "*Innenpolitische Umschau*": Wed. 18.30. – "*Echo aus Baden*": Weekdays 12.00. Weekdays 12.00.
**Announcement:** "Süddeutscher Rundfunk".
**Interval Signal:**



**Verification** by letter.
**Future Plans:** 2 small medium wave stations and FM stations are under conuction.

**AMERICAN FORCES NETWORK (Am. Zone).**
**Address:** 7706 HQS American Forces Network Company, APO 757, c/o. Postmaster, New York.
**Leading Personalities:** Chief American Forces Network Lt. Col. Philip M. Johnson. Executive Officer Major Ethridge Doane. Chief of Operations Mr. Louis Adelman. Technical Supervisor Mr. Frank Ramirez. Assistant Program Supervisor Mr. Emil Shwetzer.

| **Stations:** | kc/s | m | kW |
|---|---|---|---|
| Munich | 548 | 547,4 | 100 |
| Frankfurt | 593 | 506,0 | 10 |
| Berlin | 611 | 491.0 | 1 |
| Bayreuth | 665 | 451.2 | 10 |
| Nurnberg | 728 | 412.0 | 0.35 |
| Wetzlar | 854 | 351.0 | 0.35 |
| Bremerhaven | 854 | 351.0 | 0.35 |
| Wurzburg | 998 | 300.6 | 0.35 |

| | | | |
|---|---|---|---|
| Kassel | 998 | 300.6 | 0.35 |
| Bremen | 998 | 300.6 | 0.35 |
| Wiesbaden | 998 | 300.6 | 0.35 |
| Fussen | 1034 | 290.2 | 0.35 |
| Berchtesgaden | 1034 | 290.2 | 0.35 |
| Hersfeld | 1034 | 290.2 | 0.35 |
| Stuttgart | 1106 | 271.2 | 50 |
| Heidelberg | 1169 | 256.6 | 0.35 |
| Regensburg | 1169 | 256.6 | 0.35 |
| Eschwege | 1169 | 256.6 | 0.35 |
| Fritzlar | 1268 | 236.0 | 0.35 |
| Darmstadt | 1268 | 236.0 | 0.35 |
| Coburg | 1268 | 236.0 | 0.35 |
| Sonthofen | 1367 | 218.9 | 0.35 |
| Bamberg | 1367 | 218.9 | 0.35 |
| Ansbach | 1385 | 216.8 | 0.35 |
| Garmisch | 1385 | 216.8 | 0.35 |
| Bad Kissingen | 1502 | 199.7 | 0.35 |
| Marburg | 1502 | 199.7 | 0.35 |
| Hof | 1502 | 199.7 | 0.35 |
| Aschaffenburg | 1546 | 193.7 | 0.35 |

**Daily Programs** in *English:* All stations 05.00–23.00 exc. Wetzlar, Kassel, Wiesbaden, Eschwege, Fritzlar, Darmstadt, Garmisch, Marburg and Aschaffenburg: 16.00–23.00.

*News:* (W=Weekdays. S=Sundays): 05,30, 06.15 (W), 09.00, 11.00, 13.00 (W), 15.00 (W), 17.00 (S), 17.15 (W), 20.00 (S), 21.55 (W), 22.55.

*Program Highlights:* Sun. 08.30, Weekdays 15.55. – *Guest Star:* Sun. 06.45. – *Breakfast Club:* Sun. 08.35. – *Hit Parade:* Sun. 11.30, Sat. 20.30. – *Greatest Story Ever Told:* Sun. 12.00. – *This World This Week:* Sun. 12.30, Sat. 21.45. – *This is Europe:* Sun. 16.00. – *Air Force Hour:* Sun. 19.00. – *Twenty Questions:* Sun. 20.05. – *Hymns From Home:* Sun. 15.00, Weekdays exc. Sat. 07.45. – *Hillbilly Gasthaus:* Weekdays exc. Sat. 14.00. – *Club Fifteen:* Weekdays exc. Sat. 17.00. – *AFN Spotlight on Sports:* Weekdays 17.30. – *Report from Europe:* Weekdays 20.00. – *AFN-Playhouse:* Weekdays exc. Sat. 21.05. – *Record Show:* Weekdays 22.15. *Stars of Tomorrow. New Talents presented by Horace Heidt:* Thurs 20.30.

**Announcement:** "This is the American Forces Network serving American Forces in Germany".

**Interval Signal:** 6 "pips" every hour on the hour.
**Verification** by QSL-cards.

### VOICE OF AMERICA (Relay). (Am. Zone).

**Stations:** Munich 100 kW.

| | | | | | |
|---|---|---|---|---|---|
| A | 1196 kc | 251.0 m | 2 | 9540 kc | 31.45 m |
| 3 | 6080 – | 49.34 – | 3 | 9540 – | 31.45 – |
| 5 | 6140 – | 48.86 – | 1 | 11870 – | 25.57 – |
| 1 | 6170 – | 48.62 – | 1 | 15280 – | 19.63 – |
| 4 | 7250 – | 41.38 – | 2 | 15340 – | 19.56 – |

**Daily Programs:** se U.S.A.

**Announcement:** "This is the American Relay station in Europe relaying the Voice of America from New York" before and after each program.

### RADIO FREE EUROPE (Am. Zone).

**Operated and owned by the National Committee for a Free Europe – a group of American Citizens.**

**Address** for New York Office: 311, Empire State Building.

**Leading Personalities:** Director, Mr. Robert E. Lang. Deputy Director, Mr. Barry Mahool. Europeans Director, Mr. Forrest McCluney, New York, U.S.A.

**Station:** "Radio Free Europe". (near Mannheim).
6130 kc/s 48.94 m 7.5 kW

**Daily Programs:** 17.00–23.00.

| | |
|---|---|
| 15.20 Sign On | 16.30 Czechoslovakia |
| 15.30 Romania | 17.00 Poland |
| 16.00 Bulgaria | 17.30 Hungary |

*Programs:* Repeat of preceding night's feature programs. Music.

| | |
|---|---|
| 18.00 Romania | 19.30 Poland |
| 18.30 Bulgaria | 20.00 Hungary |
| 19.00 Czechoslovakia | |

*Programs:* Feature Program, News and Comment.

### NORDWESTDEUTSCHER RUNDFUNK (Br.Z.)

**Address:** Nordwestdeutscher Rundfunk, Rothenbaumchausse 132, Hamburg 13. *Cable:* Nordfunk.
NWDR Köln: Dagaberstrasse 38, Köln. NWDR Berlin: Heidelbergerplatz 3, Berlin-Wilmersdorf. NWDR Hanover: Maschsee, Hanover.

**Leading Personalities:** Director General Dr. Adolf Grimme. Intendant-Hamburg Mr. Willy Troester. Intendant-Köln Mr. Hans Hartmann. Political Chief Editor Berlin Dr. L. Mischke. Chief Engineer Dr. W. Nestel. Administrator Dr. G. Hubrich. British Liaison Officers Mr. F. A. W. Grinyer, Mr. W. J. Chalk.

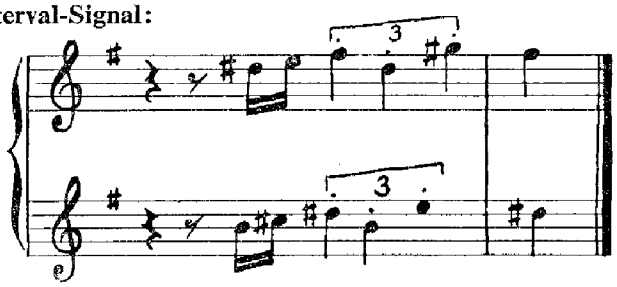
| **Stations:** | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Berlin | 566 | 530.0 | 5 | Hanover | 1586 | 189.0 | 20 |
| Hamburg | 971 | 309.0 | 50 | Osnabruck | 1586 | 189.0 | 5 |
| Langenberg | 971 | 309.0 | 50 | Oldenburg | 1586 | 189.0 | 20 |
| Osterloog | 971 | 309.0 | 5 | Bonn | 1586 | 189.0 | 2 |
| Herford | 1484 | 202.1 | 2 | Flensburg | 1586 | 189.0 | 3 |
| Kiel | 1484 | 202.1 | 0,4 | Osterloog | 7290 | 41.15 | 20 |
| | mg/c | m | kW | | mg/c | m | kW |
| FM Berlin | 88.4 | 3.40 | 0.25 | FM Hanover | 89.3 | 3.36 | 0.4 |
| FM Langenbg. | 88.5 | 3.39 | 10 | FM Köln | 89.7 | 3.33 | 1 |
| FM Hamburg | 88.9 | 3.38 | 10 | | | | |

**Daily Programs** *in German:*
*Medium Waves and* 7290 *kc/s: Weekdays:* 04.00–10.30, 11.00–24.00 (Sat. 01.00). *Sun.:* 05.00–24.00.
*News:* (W = Weekdays) 04.45(W), 05.45, 06.45(W), 07.45, 11.45, 15.45(W), 18.45, 20.45, 23.00.
*Religious Service:* Sun. 08.00. – *Listeners' Requests:* Sun. 14.30. – *"Meisterwerke der Musik":* Sun. 17.00. *Symphony:* Mo. 19.00. – *"Wie es Euch gefällt":* Tues. 19.00 or 19.30. – *Dance Music:* Wed. 19.00. – *Play:* Thurs. 19.00. – *Opera:* Fri. 19.00. – *"Bunter Nachmittag":* Sat. 15.00. – *"Bunter Abend":* Sat. 19.00.

**F. M.**
*FM-Program Nord on* 88.4, 88.9, 89.3 *mg/c: Weekdays:* 11.00–12.30. 16.30(Sat. 17.00)–23.00. *Sun.:* 08.00–12.45. 15.00–23.00.
*News:* Weekdays 12.00, 17.00. Daily 19.00, 21.00.
*FM-Program West on* 88.5, 89.7 *mg/c: Weekdays:* 10.00–11.00, 15.00(Sat. 13.00)–22.00(Sat. 23.00). *Sun.:* 09.00–10.00, 17.00–22.00.
*News:* (Sun. only): 19.00, 21.00. – *Relay of Medium Wave Program:* Weekdays 16.30–18.00.

**Announcement:** "Nordwestdeutscher Rundfunk ..... (name of station)".

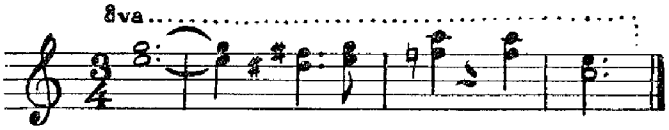
**Interval-Signal:**



Motif from the first movement of Johs. Brahms' 4th Symphony, played from Hamburg on two oboes, Cologne on two horns, Berlin on two clarinets and Hanover on two trumpets.

**Verification** by letter. – **Future-Plans:** Medium Wave transmitter: Braunschweig-Salzgitter under construction.

**BRITISH FORCES NETWORK (B.F.N. Brit. Zone).**
**Population:** 22.344.866. **Licensed Listeners:** 4.220.801.
B. F. N. publish a weekly program-bulletin.
**Address:** British Forces Network, Broadcasting House, Hamburg 36, Germany.
**Leading Personalities:** Director Mr. Leslie A. Perowne. Assistant Director Mr. G. Scuse. Chief-Engineer Mr. F. J. Pacey. OB and Variety Manager Capt. N. A. Powley. Director of Music F/Lt. D. F. East. Director of Features and Dramas Mr. P. Paxton. (OB = Outside Broadcast).
**Stations.** Synchronized on 1214 kc/s (247,1 m):
*Pinneberg* (Hamburg) – *Hannover* and *Langenberg* 20 kW each – *Herford* 10 kW – *Berlin* 5 kW.
**Daily Programs** in *English:* 05.30 (Sun. 06.00)–23.00 (Sat. 24.00).
*News:* (W = Weekdays) 07.00 (W), 08.00, 12.00 (W), 18.00 (and Newsreel), 21.00, 22.56.
*Forces Educational Broadcast:* Mo.-Fri. 14.30.
*Round the Records:* Mo.-Thurs. 11.15.
*Family Favourites:* Sun. 11.30.
*Sunday Afternoon Concert:* Sun. 13.00.
*Old Comrades:* Wed. 12.10.
*Operatic Concert:* Fri. 11.30.
*Rhythm Almanac:* Sat. 13.45.
B. F. N. shares its wavelength (1214 kc/s) with the B. B. C. Light Program from London. This means that B. F. N. originates its own program during the hours of Daylight, but from one hour before sunset relays the B. B. C. Light Program.
**Announcement:** "This is the British Forces Network".
**Interval Signal:** "Moonlight on the Alster" Fetras.



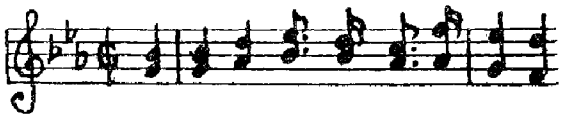

**Verification** by letter.

**SUDWESTFUNK. (French Zone).**
**Population:** 5.100.000. **Licenced Listeners:** 765.464.
**Address:** Südwestfunk, Zentral-Studio, Moltkestrasse 5, Baden-Baden.
**Leading Personalities:** Intendant Mr. Friedrich Bischoff. Program-Director Mr. Lothar Hartman. Chief-Engineer Mr. Ernst Becker. Administrator Mrs. Margarethe Sachsenberg.

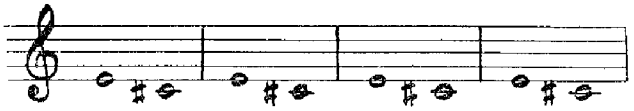
| **Stations:** | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Rheinsender | 1016 | 295 | 70 | Sigmaringen | 827 363 | | 50* |
| Baden-Baden | 827 363 | 1.5 | | Ravensburg | 827 363 | | 5 |
| Freiburg | 827 363 | 18 | | Reutlingen | 1538 195 | | 5 |
| Bad Dürrheim | 827 363 | 20 | | Short Wave | 6320 | 47.47 | 1 |

* under construction.

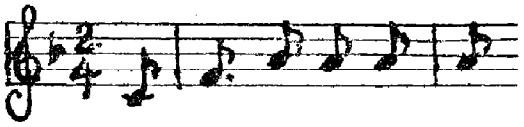
**Daily Programs:** *Weekdays*: 04.00–08.45, 10.00–23.15 (Wed. 24.00, Sat. 01.00) *Sun.* 06.00–24.00.
*News:* 05.00 (Weekd), 06.00, 07.00, 11.45, 21.45, 21.00, 23.00,
*Program from Paris:* Weekdays 12.00. – "*Tribüne der Zeit*": Daily 18.40. – *Symphony:* Sun. 16.00 or 12.00. – "*Stimme der Heimat*": Sun. 15.30. – *Opera Music:* Mo. 20.00. – *Play:* Tues. 19.30. – "*Das Prisma*": Thurs. 21.30. – "*Die grossen Meister*": Fri. 20.00. – *Cabaret:* Sat. 15.30, 19.00.
**Announcements:** "Hier ist der Südwestfunk mit seinem Rheinsender, den Mittelwellensendern Baden-Baden, Freiburg, Sigmaringen und Reutlingen und dem Kurzwellensender Baden-Baden".
**Interval Signals:** Baden-Baden: Motif from Mozart's "Zauberflöte": Bald prangt den Morgen zu verkünden:



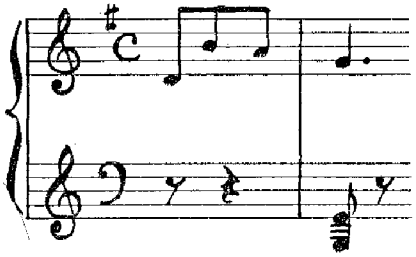
*Studio Freiburg:* "Glocken Motif des Freiburger Münsters: Petrus und Maria".



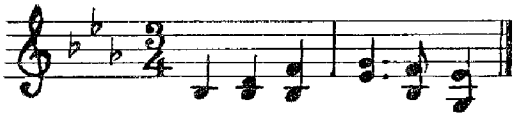
*Studie Kaiserslautern:* First notes from a song "Ein Jäger aus Kurpfalz".



*Studio Koblenz:* First notes from "Rheinisches Volkslied": "Dort wo der alte Rhein mit seinen Wellen".



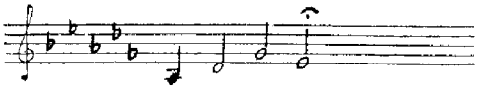
*Studio Tübingen:* "Droben im Oberland . . . . .".



**Verification** by letter.

**AUTONOMOUS TERRITORY OF THE SAAR RADIO SAARBRÜCKEN (Commercial)**
**Address:** Radio Saarbrücken, Nauwieserstrasse 75, Saarbrücken (Saar).
**Leading Personalities:** Director General Mr. F. Billmann. Program Manager, Mr. P. Seguy. Chief Engineer, Mr. Glasgow. Chief of Music, Mr. Michl. Staff Director, Mr. Müller.

**Station:** Saarbrücken 1421 kc/s 211.1 m 20 kW
**Daily Programs:**
*Weekdays:* 05.00–07.30, 10.15-13.15, 16.55–22.50.
*Sundays:* 05.00–22.50.
*News:* (W = Weekdays. S = Sundays). 06.00, 07.15 (S), 07.30 (W), 11.30, 12.00 (Local W), 13.00 (W), 17.00 (W), 19.00 (S), 21.00, 22.40.
*Program Preview:* 06.00, 07.30 (W), 07.15 (S), 13.00 (W), 17.00 (W), 21.00. – "*Die Stimme des Tages:*" 18.45 ,(W) News, Commentary, Actuelles. – *Dance Music:* Sun. 21.45, Sat. 22.00. – *Press Review:* 13.00 (W). – *Listeners Request:* Sun. 14.30. – "*Versuch Dein Glück*": Sun. 19.30. *Symphony:* Fri. 19.15.
**Announcement:** "Hier spricht Radio Saarbrücken auf Wellenlänge 211.1 m".
**Interval Signal:**



**Verification** by QSL letter.

## GERMAN DEMOCRATIC REPUBLIC
## DEUTSCHE DEMOKRATISCHE REPUBLIK

**Licensed Listeners:** Except Berlin 3,000,000. In Berlin: 800.000.
**Central Administration of Broadcasting:**
**Address:** Generalintendanz des Rundfunks in der DDR. Berlin W 8., Thälmannplatz 8/9. – *Cable:* Radiodemokrat.
**Leading Personalities:** Generalintendant Mr. Hans Mahle. Chefingenieur des Rundfunks in der DDR. Dipl. Ing. Horst-Heinz Schulze. Verwaltungschef des Rundfunks in der DDR. Mr. Erich Grunert.

### BERLINER RUNDFUNK DEUTSCHLANDSENDER

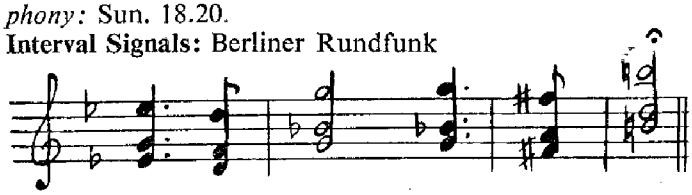
**Address:** Masurenallee 8-14, Berlin-Charlottenburg 9. – *Cable:* Rundfunk Berlin.
**Leading Personalities:** Intendant Mr. Kurt Heiss. Stellv. Intendant Mr. Hermann Zilles.
**STATIONS:**
**Berliner Rundfunk:**

| | | | | |
|---|---|---|---|---|
| Medium Waves | 782 kc/s | 383.6 m | 70 | kW |
| – – | 1570 – | 191.1 – | 0.08 | – |
| Long Wave | 236 – | 1271 – | 20 | – |

**Deutschlandsender:**

| | | | |
|---|---|---|---|
| Long Wave | 263 kc/s | 1141 m | 70 kW |
| Short Waves | 6115 – | 49.06 – | 5 – |
| – – | 7150 – | 41.96 – | 5 – |

**Daily Programs for Berliner Rundfunk.**
From 03.30 (Sun. 05.00)–24.00 (Sat. 02.00).
*News:* (W = Weekdays. S = Sundays). 03.33 (W), 04.00 (W), 06.03(W), 07.00, 09.00, 10.00(W), 12.00, 13.00(W), 15.00(W), 18.02(W), 19.00, 21.00, 22.00, 23.00. – "*Pulsschlag der Zeit*": 17.30. – "*Meisterkonzert*": Sun. 17.05.
**Daily Programs for Deutschlandsender.**
From 03.30(Sun. 05.00)–01.00(Sat. 02.00).
*News:* 03.33(W), 04.00(W), 05.00, 06.00(W), 07.00, 09.00, 10.00(W), 11.00, 12.00, 15.00(W), 16.00(S), 17.00(W), 18.02, 21.00, 23.00, 01.00(Sat.). – *News at dictation speed:* 00.03 (exc. Sat.). – "*Wir sprechen für Westdeutschland*": 20.00. – "*Die Wahrheit über America*": *Sun.* 17.45. – *Symphony:* Sun. 18.20.
**Interval Signals:** Berliner Rundfunk



Deutschland Sender:

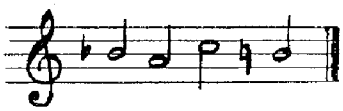
**Landessender Potsdam:**
**Address:** Puschkinallee 4, Potsdam.
**Leading Personality:** Intendant Mr. Roland Beutner.
**Stations:** 575 kc/s 521.7 m 20 kW
**Landessender Schwerin:**
**Address:** Schlossgartenallee 59/60, Schwerin.
**Leading Personality:** Intendant Mr. Christof Kirschnek.
**Stations:**
1439 kc/s 208.5 m 20 kW – 1070 kc/s 280.4 m 2 kW
**Daily Programs:** Partly relay of Berliner Rundfunk and partly own programs.

### MITTELDEUTSCHER RUNDFUNK

**Sender Leipzig:**
**Address:** Springerstr. 24. Leipzig N 22. – *Cable:* Rundfunk Leipzig.
**Leading Personalities:** Intendant Mr. Karl Adolphs. Stellv. Intendant Mr. Werner Fehlig.
**Stations:**

| | | | | |
|---|---|---|---|---|
| Medium Waves: | 1043 kc/s | 287.6 m | 70 | kW |
| – – : | 1484 – | 202.2 – | 2 | – |
| Short Waves: | 9730 – | 30.83 – | 12.5 | – |

**Daily Programs:** *Weekdays:* 03.57–08.12, 10.00(Sat. 01.00) –23.10 (Sat. 01.00). *Sun.* 03.57–24.00).
*News:* 04.00, 05.00, 06.00, 09.00(S), 10.00(W), 11.00, 14.00(W), 18.30, 21.00, 23.00.
**Interval Signal:**



**Landessender Halle:**
**Address:** Peissnitzinsel 1, Halle/Sa.
**Leading Personalities:** Intendant p.t. none. Chief of Landessender Halle Chefredakteur Mr. Fritz Waasner.
**Stations:** 1196 kc/s 250.9 m 20 kW
**Landessender Weimar:**
**Address:** Humboldtstr. 36 a – Weimar.
**Leading Personality:** Intendant Mr. Gustav Weber.
**Stations:** 1061 kc/s 282.7 m 20 kW
**Landessender Dresden:**
**Address:** Lingnerplatz 1, Dresden A 1.
**Leading Personality:** Intendant Mr. Herbert Bergner.
**Stations:**
910 kc/s 330 m 2 kW – 1016 kc/s 295 m 0.75 kW
**Daily Programs:** Partly relay of Berliner Rundfunk and partly own programs.
**Funkhaus Grünau:**
**Address:** Regattastr. 277, Berlin-Grünau.
**Leading Personality:** Intendant Mr. Wilhelm Spangenberg.
**Stations:** Broadcasting House Grünau does not dispose of a transmitter, but is only used as a studio.

## GREAT BRITAIN

**Population:** 50.019.000. **Licensed Listeners:** 12.269.650.
**Television Licences:** 440.550.
**Address:** The British Broadcasting Corporation, Broadcasting House, Portland Place, London W 1.

**Leading Personalities:** Chairman The Lord Simon of Wythenshawe, LL.D., M.I.C.E., M.I.M.E ; Vice-Chairman The Dowager Marchioness of Reading, G.B.E., Director General Sir William Haley, K.C.M.G.; Director of Technical Services Sir Noel Ashbridge, M.I.C.E., M.I.E.E.; Director of Home Broadcasting B. E. Nicolls, C.V.O. C.B.E.; Director of Overseas Services Major General Sir Ian Jacob, K.B.E., C.B.; Director of Administration Air Chief Marshal Sir Norman Bottomley, K.C.B., C.B., C.I.E., D.S.O., A.F.C.; Director of the Spoken Word G. R. Barnes. Controller Home Service R. E. L. Wellington. Controller Light Programme T. W. Chalmers. Controller of Third Programme H. J. G. Grisewood. Controller Television Cecil McGivern. Controller Entertainment R. J. F. Howgill, C.B.E.; Controller Talks Miss Mary Sommerville, O.B.E.; Controller Finance T. Lochhead, C.B.E.; Controller Staff Administration J. H. Arkell. Chief Engineer: H. Bishop, C.B.E., F.C.G.I., M.I.E.E., M.I.M.E.; Editor, News T. R. P. Hole.

**HOME SERVICES (Medium Waves)**

| | | kc/s | m | kW |
|---|---|---|---|---|
| Moorside Edge | Northern | 692 | 434 | 150 |
| Westerglen | Scottish | 809 | 371 | 100 |
| Burghead | – | 809 | 371 | 100 |
| Redmoss | – | 809 | 371 | 20 |
| Washford | Welsh | 881 | 341 | 150 |
| Penmon | – | 881 | 341 | 20 |
| Wrexham | – | 881 | 341 | 5 |
| Brookmans Park | London | 908 | 330 | 150 |
| Start Point | West | 1052 | 285 | 150 |
| Droitwich | Midland | 1088 | 276 | 150 |
| Norwich | – | 1088 | 276 | 20 |
| Lisnagarvey | N. Ireland | 1151 | 261 | 100 |
| Londonderry | – | 1151 | 261 | 5 |
| Stagshaw | – | 1151 | 261 | 100 |
| Clevedon | West | 1457 | 206 | 60 |
| Bartley | – | 1457 | 206 | 60 |

| **Light Program:** | kc/s | m | kW |
|---|---|---|---|
| Droitwich | 200 | 1500 | 400 |
| Brookmans Park | 1214 | 247 | 60 |
| Burghead | 1214 | 247 | 20 |
| Lisnagarvey | 1214 | 247 | 10 |
| Londonderry | 1214 | 247 | 1 |
| Moorside Edge | 1214 | 247 | 58 |
| Plymouth | 1214 | 247 | 2 |
| Redmoss | 1214 | 247 | 2 |
| Redruth | 1214 | 247 | 2 |
| Newcastle | 1214 | 247 | 10 |
| Westerglen | 1214 | 247 | 50 |

| **Third Program:** | kc/s | m | kW |
|---|---|---|---|
| Daventry | 647 | 464 | 120 |
| Edinburgh | 647 | 464 | 2 |
| Glasgow | 647 | 464 | 2 |
| Newcastle | 647 | 464 | 2 |
| Redmoss | 647 | 464 | 2 |
| Belfast | 1546 | 194 | 5 |
| Bournemouth | 1546 | 194 | 2 |
| Brighton | 1546 | 194 | 5 |
| Cardiff | 1546 | 194 | 2 |
| Dundee | 1546 | 194 | 2 |
| Exeter | 1546 | 194 | 5 |
| Fareham | 1546 | 194 | 2 |
| Hull | 1546 | 194 | 5 |
| Leeds | 1546 | 194 | 5 |
| Liverpool | 1546 | 194 | 5 |
| Manchester | 1546 | 194 | 2 |
| Middlesborough (Stockton) | 1546 | 194 | 2 |
| Plymouth | 1546 | 194 | 5 |
| Preston | 1546 | 194 | 2 |
| Redruth | 1546 | 194 | 2 |
| Sheffield | 1546 | 194 | 2 |

**B.B.C. External Services (Medium Waves):**

| | | | |
|---|---|---|---|
| Ottringham | 1295 kc/s | 232 m | 150 kW |
| Graz-Dobl Austria | 1025 – | 293 – | 100 – |
| Crowborough | 1340 – | 224 – | 150 – |

**Daily Programs:** *Home Services:*

*Weekdays* from 06.30–23.03.
06.30 Music 07.00 News
07.10 Progr. Parade
07.15 Music
08.00 News
08.10 Progr. Parade
10.15 The Daily Service
10.30 Music
11.00 Schools (or Music)
13.00 News
14.00 Schools (or Music)
18.00 News
19.00 Variety 21.00 News
22.45 Today in Parliament
23.00 News Summary

*Sundays* from 07.55–23.03.
07.55 Weather forecast
08.00 News
08.10 Progr. Parade
08.20 Music
09.20 Progr. Parade
09.30 Morning Service
11.30 Music Magazine
12.10 The Critics
13.00 News 13.40 Opera
14.30 Play
16.00 Popular Music
18.00 News 18.30 Concert
19.45 Evening Service
20.30 Serial Play
21.00 News 21.15 Talk
21.30 Feature Program
23.00 News Summary

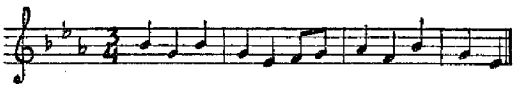
**Interval-Signal:** Bow Bells

**Light Program:**

*Weekdays* from 09.00–24.00.
09.00 News
09.10 Housewives' Choice
11.00 Mrs. Dale's Diary
13.00 Concert Hour
14.00 Woman's Hour
15.00 Music
15.30 Forces Educational Broadcast
15.45 Music While You Work
16.15 Mrs. Dale's Diary
19.00 News. Newsreel
19.30 Light Entertainment
22.00 News
22.20 Dance Music
23.00 A Book at Bedtime
23.15 Light Music
23.56 News Summary

*Sundays* from 08.00–24.00.
08.00 Music
09.00 News
09.10 Music
11.30 People's Service
19.00 News
20.30 Sunday Half-hour
12.00 Variety
22.00 News
23.56 News Summary

**Interval-Signal:** 1) Oranges and Lemons



There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggio – a choice of six harp interludes.

**Third Program:** Daily from 18.00–24.00.
This programme consists generally of music, radio-plays and talks. There are no news broadcasts.

**Short Waves:**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2880 | kc/s | 104.2 | m | GRC | 11730 | – | 25.58 | – | GVV |
| 6010 | – | 49.92 | – | GRB | 11750 | – | 25.53 | – | GSD |
| 6035 | – | 49.71 | – | GWS | 11770 | – | 25.49 | – | GVU |
| 6040 | – | 49.67 | – | GSY | 11790 | – | 25.45 | – | GWV |
| 6050 | – | 49.59 | – | GSA | 11800 | – | 25.42 | – | GWH |
| 6060 | – | 49.50 | – | GSX | 11820 | – | 25.38 | – | GSN |
| 6070 | – | 49.42 | – | GRR | 11840 | – | 25.34 | – | GWQ |
| 6090 | – | 49.26 | – | GWM | 11860 | – | 25.30 | – | GSE |
| 6110 | – | 49.10 | – | GSL | 11890 | – | 25.13 | – | GWW |
| 6125 | – | 48.98 | – | GWA | 11930 | – | 25.15 | – | GVX |
| 6150 | – | 48.78 | – | GRW | 11955 | – | 25.09 | – | GVY |
| 6165 | – | 48.66 | – | GWK | 12040 | – | 24.92 | – | GRV |
| 6170 | – | 48.62 | – | GSZ | 12095 | – | 24.80 | – | GRF |
| 6180 | – | 48.54 | m | GRO | 15070 | – | 19.91 | – | GWC |
| 6195 | – | 48.43 | – | GRN | 15110 | – | 19.85 | – | GWG |
| 7075 | – | 42.40 | – | GRS | 15140 | – | 19.82 | – | GSF |
| 7120 | – | 42.13 | – | GRM | 15180 | – | 19.76 | – | GSO |
| 7150 | – | 41.96 | – | GRT | 15210 | – | 19.72 | – | GWU |
| 7185 | – | 41.75 | – | GRK | 15230 | – | 19.70 | – | GWD |
| 7200 | – | 41.67 | – | GWZ | 15260 | – | 19.66 | – | GSI |
| 7210 | – | 41.61 | – | GWL | 15300 | – | 19.61 | – | GWR |
| 7230 | – | 41.49 | – | GSW | 15310 | – | 19.60 | – | GSP |
| 7250 | – | 41.38 | – | GWI | 15435 | – | 19.44 | – | GWE |
| 7260 | – | 41.32 | – | GSU | 15450 | – | 19.42 | – | GRD |
| 7280 | – | 41.21 | – | GWN | 17700 | – | 16.95 | – | GVP |
| 7320 | – | 40.98 | – | GRJ | 17715 | – | 16.93 | – | GRA |
| 9410 | – | 31.88 | – | GRI | 17730 | – | 16.92 | – | GVQ |
| 9510 | – | 31.55 | – | GSB | 17790 | – | 16.86 | – | GSG |
| 9525 | – | 31.50 | – | GWJ | 17810 | – | 16.84 | – | GSV |
| 9550 | – | 31.41 | – | GWB | 18025 | – | 16.64 | – | GRQ |
| 9570 | – | 31.35 | – | GWX | 18080 | – | 16.59 | – | GVO |
| 9580 | – | 31.32 | – | GSC | 18130 | – | 16.55 | – | GRP |
| 9600 | – | 31.25 | – | GRY | 21470 | – | 13.97 | – | GSH |
| 9625 | – | 31.17 | – | GWO | 21530 | – | 13.93 | – | GSJ |
| 9640 | – | 31.12 | – | GVZ | 21550 | – | 13.93 | – | GST |
| 9660 | – | 31.06 | – | GWP | 21640 | – | 13.86 | – | GRZ |
| 9675 | – | 31.01 | – | GWT | 21675 | – | 13.84 | – | GVR |
| 9690 | – | 30.96 | – | GRX | 21710 | – | 13.82 | – | GVS |
| 9700 | – | 30.93 | – | GWY | 21750 | – | 13.79 | – | GVT |
| 9825 | – | 30.53 | – | GRH | 25750 | – | 11.65 | – | GSQ |
| 9915 | – | 30.26 | – | GRU | 26100 | – | 11.49 | – | GSK |
| 11680 | – | 25.68 | – | GRG | 26400 | – | 11.36 | – | GSR |
| 11700 | – | 25.64 | – | GVW | 26550 | – | 11.30 | – | GSS |

**Daily Programs for Europe:**

A. C. E.:=America Calling Europe. A. C.=America Calling. E by R=English by Radio. P=Program.

*Albanian:*
16.30–16.45 in 31, 25 m. b. and 293 m. *News.*
19.15–19.30 in 31, 25 m. b. *News.*

*Austrian:*
12.30–12.45 in 41, 31, 25 m. b. and 232 m. *News.*
17.15–17.30 } in 41, 31,25 m. b. *Programs.*
17.45–18.00 }

*Belgian, Flemish and French:*
17.00–17.30 in 41, 31, 25 m. b. and 224 m. *Programs.*

*Bulgarian:*
04.45–05.00 in 41, 31, m. b. and 293 m. *News.*
11.45–12.00 in 31, 25, 19 m. b. *Mo. Wed. E by R.*
17.00–17.15 in 19, 31 m. b. *A. C. Bulgaria. Progr.*
18.00–18.30 in 31, 25, 19 m. b. and 293 m. *News and P.*
20.30–20.45 in 31, 25 m. b. *News.*

*Czech:*
05.15–05.30 in 49, 41 m. b., 1500, 464, 293, 232 m., *News.*
06.00–06.15 in 41, 31 m. b. Tues. and Thurs. *E by R.*
13.00–13.15 in 31, 25, 19 m. b. *News.*
17.00–17.15 in 31, 25 m. b. and 293 m. *News, Program.*

*Slovak.*
17.30–18.00 in 41, 31 m. b. *A. C. Czechoslovakia.*
20.00–20.30 in 31, 25 m. b. *A. C. Czechoslovakia.*
20.30–21.00 in 41, 31 m. b. *News. Program.*

*Danish:*
11.15–11.30 in 31, 25, 19 m. b. and 232 m. *News.*
17.00–17.30 in 31, 25, 19 m. b. *News and Program.*

*Dutch:*
06.45–07.00 in 49. 41 m. b., 1500, 464, 232, 224 m. *News*
13.15–13.30 in 41, 31, 25, 19, 13 m. b. *News.*
13.15–13.30 in 41, 31, 25, 19, 13 m. b. *News.*
17.00–18.00 in 41, 31 and 224 m. *News, Program.*

*English:*
05.15–05.30 in 41, 31 m. b. *E by R.*
05.45–06.00 in 49, 41 m. b. and 1500, 464, 232 m. *E by R*
06.15–06.30 in 49, 41 m. b., 464, 224 m. *News, Press* Review.
07.00–07.30 in 49. 41, 31, 25 m. b. and 1500 (not. Sun) 232 m. *News, Program.*
07.45–08.00 in 49, 41, 31 m. b. and 464, 224 m. *E by R.*
08.30–09.15 in 31, 25 m. b., 232 m. *Sun. Religious Sce.*
09.15–09.30 in 31, 25 m. b., 232 m. *Weekdays Religious Sce.*
10.30–10.45 in 31, 25, 19 m. b., 232 m. *News, Dictation.*
10.45–11.00 in 31, 25, 19 m. b., 232 m. *E by R.*
11.15–11.30 in 31, 25, 19 m. b. *News, Dictation.*
11.30–11.45 in 31, 25, 19 m. b. *E by R.*
12.00–12.15 in 41, 31, 25, 19 m. b., 232, 224 m. *News, Dictation.*
12.45–13.00 in 41, 31, 25, 19 m. b. *News.*
13.00–13.15 in 31, 25, 19 m. b. *E by R.*
15.45–16.00 in 31, 25, 19 m. b. *E by R.*
16.15–16.45 in 41, 31, 25 m. b., 224, 464 m. *English, A.C.E.*
16.45–17.00 in 41, 31, 25 m. b. and 224 m. *E by R.*
17.00–17.15 in 25, 19, 16 m. b. *English A.C.E.*
17.30–17.45 in 31, 25, 19 m. b. and 293 m. *E by R.*
17.30–17.45 in 41, 31, 25 m. b. *News, Dictation.*
18.00–18.30 in 49, 41, 31, 25, 19 m. b., 232, 224 m. *London Calling Europe.*
19.00–20.15 in 41, 31, 25 m. b. *English A.C.E.*
19.30–19.45 in 31, 25 m. b. *E by R.*
20.00–20.15 in 41, 31, 25 m. b. and 293 m. *News.*
21.15–21.30 in 49, 41 m. b. and 232 m. *E by R.*
21.00–22.00 in 49 m. b. and 224 m. *Press Review, Program, News.*
21.30–22.00 in 41, 31, 25 m. b. *English A. C. E.*
22.00–23.00 in 49, 41 m. b. and 232 m. *Program, Press Review, News.*

*Finnish:*
15.00–15.45 in 25, 19 m. b. *Sun. Program.*
16.00–16.30 in 31, 25, 19 m. b. *News, Program.*
19.00–19.15 in 31, 25, 19 m. b. *News.*

*French:*
06.30–06.45 in 49, 41 m. b. and 464, 224 m. *News.*
07.00–07.15 in 49, 41 m. b. and 464, 224 m. *News.*
08.00–08.30 in 49, 41, 31 m. b. and 464, 224 m. "*La Demi-heure du matin*".
11.30–11.45 in 41, 31, 25 m. b. and 224 m. *News.*

11.45–12.00 in 19, 13, 11 m. b. *News.*
12.30–12.45 in 41, 31, 25 m. b. and 224 m. *News.*
16.00–16.15 in 41, 31, 25 m. b. and 464, 224 m. "*L'Anglais par la Radio*".
18.30–20.00 in 49, 41, 31 m. b. and 224 m. *News, Press Review, Program.*
20.00–20.15 in 49, 41, 31 m. b. and 224 m. "*L'Anglais par la Radio*".
20.15–21.00 in 49, 41, 31 m. b. and 224 m. *News, Commentary, Program.*
22.00–22.15 in 49, 41 m. b. and 224 m. *A. C. France.*

*German:*
05.00–05.15 in 49, 41 m. b. and 1500, 464, 232 m. *Workers' Program.*
06.00–06.15 in 49, 41 m. b. and 1500, 464, 293, 232 m. *News,* "*Lernt Englisch*".
06.15–06.45 in 49, 41 m. b. and 1500, 232 m. *Repeat East Zone Program.*
08.00–08.15 in 49,41 m. b. and 1500 (exc.Sun),232 m. *News.*
13.00–13.30 in 41, 31, 25 m. b. and 232 m. *News, Progr.*
16.00–16.15 in 49, 41, 31 m. b. and 293, 232 m. *News, Press Review.*
16.45–17.00 in 49, 41, 31 m. b. and 232 m. *Feature Program. Suns. Protestant.*
17.00–17.15 in 41, 31, 25 m. b. and 232 m. *Sat. News Summary, Talk, Suns. Catholic.*
18.15–18.30 in 49, 41, 31 m. b. "*Lernt Englisch*".
19.00–19.30 in 49, 41 m. b. and 232 m. *News, Press Review.*
19.30–21.00 in 49, 41 m. b. and 232 m. *Program.*
21.00–21.15 in 49, 41 m. b. and 232 m. *News.*
23.00–23.15 in 49, 41 m. b. and 232 m. *News.*

*Greek:*
05.00–05.15 in 41, 31 m. b. and 293 m. *News.*
17.15–17.30 in 31, 25 m. b. *A. C. Greece.*
18.30–19.00 in 25, 19 m. b. *News, Program.*
20.30–20.45 in 31, 25 m. b. *A. C. Greece.*
21.00–21.15 in 25, 19 m. b. *News.*

*Hungarian:*
06.15–06.30 in 41, 31 m. b. and 293 m. *News.*
16.15–16.30 in 31, 25 m. b. and 293 m. *News.*
19.30–20.00 in 41, 31, 25 m. b. and 293. *News. Program.*
19.00–19.30 in 31, 25 m. b. *A. C. Hungary.*
20.45–21.00 in 31, 25 m. b. *A. C. Hungary.*
22.00–22.15 in 41, 31 m. b. and 293 m. *Program.*

*Italian:*
06.30–06.45 in 41, 31 m. b. and 293 m. *News.*
12.30–12.45 in 31, 25, 19 m. b. *News.*
16.30–17.00 in 31, 25 m. b. *A. C. Italy.*
18.30–19.00 in 41, 31, 25 m. b. and 293 m. *Program.*
21.00–21.45 in 41, 31, 25 m. b. and 293 m. *News, P.*

*Luxembourg:*
08.30–08.45 in 41, 31, m. b. and 224 m. *Sun. only.*

*Norwegian:*
11.00–11.15 in 31, 25, 19 m. b. and 232 m. *News.*
17.30–18.00 in 31, 25, 19 m. b. and 232 m. *News, Program.*

*Persian:*
16.30–17.00 in 25, 19, 16 m. b. *A. C. Persia.*

*Polish:*
05.30–05.45 in 49, 41 m. b. and 1500, 464, 293, 232 m. *News.*
13.30–13.45 in 41, 31, 25 m. b. and 232 m. *News.*
16.15–16.45 in 41, 31, 25 m. b. and 232 m. *A. C. Poland.*
18.30–19.00 in 49, 41, 31 m. b. *News, Program.*
20.30–21.00 in 41, 31, 25 m. b. *A. C. Poland.*
21.30–22.00 in 49, 41 m. b. and 232 m. *News, Program.*

*Portuguese:*
12.30–12.45 in 31, 25, 19, 13 m. b. *News.*
19.30–20.00 in 31, 25, 19 m. b. *News, Program.*

*Rumanian:*
04.15–04.30 in 41, 31 m. b. and 293 m. *News.*
16.00–16.15 in 31, 25, 19 m. b. *E by R. Mo. Wed. only.*
19.00–19.30 in 41, 31, 25 m. b., 293 m. *News, Program.*
19.30–20.00 in 31, 25 m. b. *A. C. Rumania.*
21.45–22.00 in 41, 31 m. b. *News.*

*Russian:*
03.15–03.45 in 49, 41, 31, 25, 19, 16, 13 m. b. *News, P.*
14.15–14.45 in 49, 41, 31, 25, 19, 16, 13 m. b. *News, P.*
18.00–18.30 in 41, 31, 25, 19 m. b. *A. C. Russia.*
18.30–19.00 in 41, 31, 25, 19 m. b. *A. C. Ukraine.*
21.00–21.30 in 41, 31, 25 m. b. *A. C. Russia.*
21.15–21.45 in 49, 41, 31, 25, 19 ,16, 13 m. b. *A. C. Russia, News, Program.*

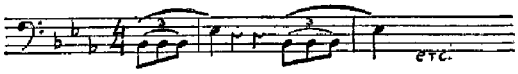
*Spanish:*
13.15–13.30 in 31, 25, 19 m. b. *News.*
20.15–21.00 in 31, 25, 19 m. b. *News, Program.*
22.00–22.30 in 41, 31 m. b. *A. C. Spain.*

*Swedish:*
18.30–19.00 in 31, 25, 19 m. b. and 232 m. *News, Program.*

*Turkish:*
04.30–04.45 in 41, 31 m. b. *News.*
16.30–17.00 in 25, 19 m. b. *News, Program.*
17.15–17.45 in 25, 19, 16 m. b. *A. C. Turkey.*
21.00–21.15 in 31, 25 m. b. *News.*

*Yugoslav:*
05.45–06.00 in 41, 31 m. b. and 293, 224 m. *News.*
13.45–14.00 in 31, 25, 19 m. b. *News.*
16.15–16.30 in 31, 25, 19 m. b. *E by R. Mo. Wed. only.*
17.15–17.30 in 31, 25, 19 m. b. and 293 m. *News.*
17.00–17.15 in 31, 25 m. b. *A. C. in Slovene.*
17.45–18.00 in 31, 25 m. b. *A. C. in Serbo-Croat.*
19.45–20.15 in 31, 25 m. b. *News, Program.*
20.15–20.30 in 41, 31, 25 m. b. and 293. *Slovene.*
21.45–22.00 in 31, 25 m. b. and 293 m. *News, Program.*

**Interval Signal for European Service:** Morse Signal "V" (V for Victory) played on Timpani (i.e. . . . –)




**AMERICA CALLING EUROPE**
**Schedule of B.B.C. Relays of A.C.E. Programs from O.I.E. New York.**

| | | | |
|---|---|---|---|
| 16.30 | Italian | 17.00 | English |
| 16.45 | Italian | 17.15 | Turkish |
| 17.00 | Slovene | 17.30 | Turkish |
| 17.15 | Greek | 18.15 | Russian |
| 17.45 | Serbo-Croat | 18.30 | Ukranian |
| 18.00 | Russian | 18.45 | Ukranian |
| 19.00 | Hungarian | 19.00 | English |
| 19.15 | Hungarian | 19.15 | English |
| 19.30 | Rumanian | 19.30 | English |
| 19.45 | Rumanian | 19.45 | English |
| 20.00 | Czech | 20.00 | English |
| 20.15 | Czech | 20.30 | Polish |
| 20.30 | Greek | 20.45 | Polish |
| 20.45 | Hungarian | 21.00 | Russian |

16.30 Persian
16.45 Persian
21.15 Russian
21.30 English
21.45 English

**GENERAL OVERSEAS SERVICE:**
The General Overseas Service, which runs continuously throughout the twenty four hours, and can be heard at suitable times all over the world, is addressed to English-speaking Listeners, wherever they may be. All programs are in English.
*Daily Programs:*

02.00 News
02.10 From the Editorials
04.00 News
04.10 Home News
04.15 News Dictation
04.30 Program Parade
06.00 News
06.10 Daily Service (exc. Sun.)
07.00 News
07.10 Home News
07.15 Program Parade
11.00 News
11.10 News Analysis
12.00 From the Editorials
12.10 Program Parade
13.00 News
13.10 Home News
14.00 Radio Newsreel
16.00 News
16.10 News Analysis
17.15 Radio Newsreel
18.00 News
181.0 Home News
20.00 News
20.10 Daily Service (exc. Sun.)
21.15 Program Parade
23.00 News
00.00 Radio Newsreel

The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are:

| | | |
|---|---|---|
| Pacific: | 06.00–12.00 | on 19, 16, 13 m. b. |
| Africa: | 04.00–23.00 | on 49, 31, 25, 19, 16, 13, 11 m. b. |
| Middle East: | 04.00–21.00 | on 31, 25, 19, 16, 13, 11 m. b. |
| Far East: | 07.15–14.15 | on 19, 16 m. b. |
| South Asia: | 00.15–17.15 | on 41, 31, 25, 19, 16, 13 m. b. |
| South-East Asia: | 04.00–17.15 | on 25, 19, 16, 13 m. b. |
| North America: | 00.00–04.15 | on 49, 31, 25, m. b. |
| | 11.00–13.00 | on 19 m. b. |
| | 21.15–24.00 | on 31, 25, 19 m. b. |
| Central America: | 00.00–03.00 | on 31, 25 m. b. |
| | 17.15–23.15 | on 25, 19, 13 m. b. |
| | 23.45–24.00 | on 31, 25 m. b. |
| West Indies: | 00.00–03.00 | on 31, 25 m. b. |
| | 17.15–23.15 | on 25, 19, 13 m. b. |
| | 23.45–24.00 | on 31, 25 m. b. |
| South America: | 00.00–03.00 | on 31, 25 m. b. |
| | 11.00–11.15 | on 13 m. b. |
| | 16.00–24.00 | on 25, 19, 13 m. b. |

**Interval Signal for General Overseas Service:** Bow Bells.

**SPECIAL PROGRAM SERVICES**
*For the Pacific Area:* In English. Directed to Australia and New Zealand.
06.00–07.45 on 31, 25 m. b.

06.00 News
06.10 Program Parade
06.30 Radio Newsreel
07.30 From the Editorials
07.35 Program Parade

*Far-Eastern Service.* In English, Dutch, French and Far-Eastern-languages. Directed to Burma, Malaya, China, Japan and South and South-East Asia.
10.30–12.30 on 13, 11 m. b. – 12.30–14.15 on 19, 13 m. b. 11.00–12.30 and 13.30–14.00 on 19 m. b. (for N. & S. China only).

10.30 News in Indonesian Malay
11.00 News in Cantonese
11.15 News in Japanese
11.45 News in French
12.00 English half hour
12.30 News in Malay
12.45 News in Thai
13.15 News in Dutch
13.30 News in Kuoyu
14.00 News in Burmese

**Eastern Services.**
*In English and Eastern Languages.* Directed to India, Pakistan and Ceylon. 14.00–14.30 on 19, 13 m. b. 14.15–15.45 on 19, 13 m. b.

14.00 English Program (exc. Tues. Thurs.) Sinhalese Magazine (Tues.) Tamil Magazine (Thurs.)
14.15 News in Urdu
14.30 Urdu Program (exc. Wed.) Magazine Program for East Bengal (Wed.)
15.00 Hindi Program (exc. Wed. Sat.) Marathi Magazine (Wed.) Magazine Program for West Bengal (Sat.)
15.30 News in Hindi

*In Arabic, Hebrew and Persian.* 03.45–04.15, 04.45–05.15, 15.45–18.15, 18.30–19.00 and 19.30–20.30 on 49, 41, 31, 25, 19 m. b.
Arabic: 03.45–14.15, 04.45–05.15, 17.00–18.15, 18.30–19.00 and 19.30–20.30. – Hebrew: 16.30–17.00. – Persian: 15.45–16.30.
*Colonial Services:* In English and Greek for Cyprus and Malta. 17.30–17.45 on 19 m. b.
In English for West Africa 20.15–21.00 on 19 m. b.
In English for West Indies 23.15–23.45 on 31, 25 m. b.
In English and Afrikaans for Central and South Africa 16.15–17.15 on 16 m. b.
In English for the Falkland Islands 16.15–16.45 (Sun. only) on 19, 13 m. b.
In English for East Africa 18.15–18.30 (Sun. only) on 16 m. b.

**Latin-American Services in Portuguese:** Directed to Central America, South Caribbean Area, South America (N. & S. of Amazon).
22.00–01.30 on 31, 25, 19 m. b.

22.00 Programme Survey
22.15 News
00.00 News
01.00 News Summary
01.25 Program Survey

**Latin-American Service in Spanish:** Directed to Central America, South Caribbean Area, South America (N. & S. of Amazon) and Mexico.
22.00–03.45 on 25, 31, 19 m. b.

22.00 News Summary
23.00 News
00.00 News
02.00 News
03.15 News

**North-American Service:** In English and French. Directed to Canada, U.S.A. and Mexico.
16.00–17.15 on 13 m. b. – 18.00–20.45 (Mo. to Fri. incl.) on 19, 13 m. b. – 20.45–21.15 on 19 m. b.

16.00 Program Preview
16.15 Radio Newsreel Trailing (Mo. to Fri.)
16.30 Radio Newsreel
17.00 News
17.10 News Analysis
18.00 Program Preview (Mo. to Fri.)
20.00 News Analysis (exc. Sat. Sun.)
20.45 News.
21.00 Radio Newsreel

**Interval Signal for North-American Service:** The notes "B. B. C." played on Novachord . . . . . .
**Announcements:** *Home Programme:* "This is the B. B. C.

Home Service, Light Programme or Third Programme".
*European Service:* "This is London calling in the European Service of the B. B. C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".
*B. B. C.'s Ocerseas Service:* "This is the General Overseas Service of the B. B. C. .....".
"This is London Calling in the Pacific Service of the B. B. C."
"This is London Calling North America".
"This is London Calling South, East or West Africa".
"This is London Calling the Falkland Islands".
"This is London Calling the West Indies".
**Interval Signal:** Shown for each of the Services. General Overseas Service gives Big Ben full strike 01.00, 14.00 and 17.00. Chimes every quarter-hour when there is a program break.
**Message to Listeners:** The B. B. C. London welcomes letters from its listeners throughout the world, with comments on the substance and reception of its various broadcasts, Any such letters addressed to the B. B. C., London W 1, will receive the most careful attention.

## GREECE

**Population:** 7.300.000. **Licensed Listeners:** 165.000.
**NATIONAL BROADCASTING INSTITUTE.**
**Address:** Ethnikon Idhryma Radiophonias (National Broadcasting Institute) 4, Righillis Str., Athens T. 1.
**Leading Personalities:** General Manager Mr. Chr. Tsigantes. Technical Director Mr. B. Aslanides. Chief of Music Mr. Sp. Farantatos.
**Stations:**

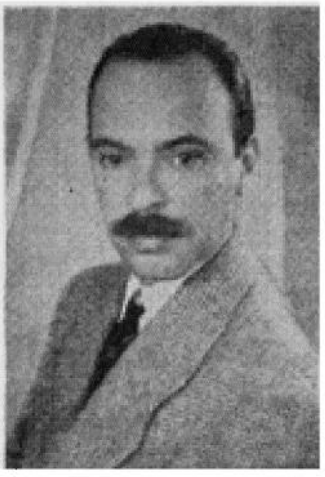
| | | | | | |
|---|---|---|---|---|---|
| Athens | 728 kc/s | 412.0 m | 15 | kW* | |
| Salonika | 1043 – | 287.6 – | 2 | – | Reg. Relay. |
| Volos | 1484 – | 202.2 – | 0.25 | – | Reg. Relay. |
| Patras | 1511 – | 198,2 – | 0.1 | – | Reg. Relay. |

* to be increased to 150 kW.
Athens 7.5 kW (to be increased to 50 kW)

| | | | | |
|---|---|---|---|---|
| 6177 kc/s | 48.56 m | inactive | 9607 kc/s | 31.23 m |
| 7300 – | 41.09 | | 15345 – | 19.55 – |

**Daily Programs in Greek on Medium Waves:**
*On 412.0 m:* (S = Summer)

B. B. C. European Service – *Mr. E. Thugye Lean* – Controller of European Service.



Radio Athen: *Mr. N. Hakkas,* Announcer on as well medium waves as short waves.

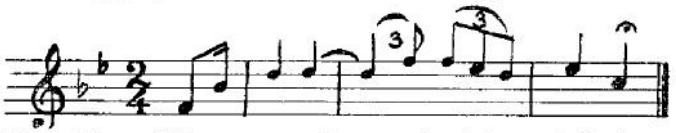
*Weekdays:* 05.00 (S:04.30)–07.35, 09.30–13.00, 15.00 (S:15.30)–22.15 (S:22.30). *Sundays:* 05.00 (S:04.30)–08.00, 09.00–13.00, 14.45 (S:15.15)–22.15 (S:22.30).
*News:* 05.30 (S:05.15), 07.25, 11.00 (not Sun.), 12.40, 18.15 (not Sun.), 20.15 and 22.00 (S:22.15).
*Programme Previews:* 05.00 (S:04.30), 09.30, 15.00 (S:15.30) and approx. 22.10 (S:22.25).
*Relay from Paris:* 11.30. – *Relay from USA:* 20.30.
*Symphony:* 08.30 (Sun.), 19.30 (Thurs.), 17.30 (Fri.), 16.15 (Sat.).
*Greek Variety:* 17.30 Sun. – *Opera Music:* 21.15 Fri.
*On* 287.6 *m: Winter:* 05.00–07.00 (Sun. 08.30), 10.00–13.00, 15.30–21.30. *Summer:* 04.30–06.30 (Sun. 08.30), 10.00–13.00 and 16.00–22.00.
*On* 202.2 *m:* 06.00–07.30 (Sun. only), 10.30–13.00, 17.00–21.30 (S:22.00).
*On* 198.2 m: Weekdays 18.00–21.00. Sun. 10.30–12.00, 18.00–21.00.
**Daily Programs on Short Wave** (S = Summer):
*On* 9607 *kc/s* (to Europe and the Near East):
05.00 Music, 05.30 (S. 05.15)–07.35 (Sun. 08.00) and 09.30 (Sun. 08.30)–11.30 Relay 412 m. 11.30–11.45 Greek Music, 11.45–13.00 Relay 412 m.
*On* 7300 *kc/s* (to Europe and the Near East):

| | |
|---|---|
| 15.30 Messages to Seamen | 17.30 News Rumanian |
| News' Dictation | 17.45 News Bulgarian |
| 15.45 News English | 18.00 News Yugoslav |
| 16.00 News French | 18.15 News Albanian |
| 16.15 Greek Music | 18.30 Relay 412 m |
| 16.50 Press Review | 20.30 Greek Music *) |
| (Relay 412 m) | 21.00 Greek Music |
| 17.00 News Turkish | 21.30 News, Musik. |
| 17.15 News Russian | 22.00 Closing down |

*) Sun.: For Greeks abroad. Thurs.: For Seamen.
*On* 15345 *kc/s* (to U.S.A.):

| | |
|---|---|
| 22.30 News English | 23.15 News Greek |
| 22.45 Greek Music | 23.30 Closing down |

**Announcements:** "Radhiophonikos Stathmos... (Athinon, Thessalonikis, Volou)" or "Edho . . . (Athinai, Thessaloniki, Volos" e.g.: "Radio Station . . . (Athens, Salonika, Volos)" or "This is . . . (Athens, Salonika, Volos)".
**Interval-Signals:** *Medium-waves:* "Tsopanakos imouna", a folk song played on native flute with a typical ensemble:



*Short Wave:* "Kato stou valtou ta choria" – a folk dance played on clarinet accompanied on piano:

**Verification** by letter or QSL-card.
**GREEK-AMERICAN RADIO STATION**
**Address:** U.S.A. Information Service, Salonika.
**Station:** Salonika 791 kc/s 379.2 m 50 kW.
**Daily Programs:** 17.00–02.00.

| | |
|---|---|
| 17.00 Relay U.S.A. | 20.45 English |
| 17.15 Greek | 22.00 Relay U.S.A. |
| 18.30 English | 00.30 English |
| 20.30 Greek | 01.45 English |

**Announcement:** In English "This is the New Radio Station of Salonica".

Greece BBC London Thugye Lean Radio Athen N. Hakkas

## AUTONOMOUS BROADCASTING STATIONS

### ATHENS' UNIVERSITY

**Address:** Chimeion E. K. Panepistimion, 104, Solon Street, Athens T 1.
**Station:** Athens 601 kc/s 499.2 m 0.4 kW.
**Daily Programs:** (October-July) 11.30–12.30 Music.
**Announcement:** "Edho Radhiophonikos Stathmos Panepistimion Athnion". ("This is the Radio-Station of Athens University").
**Interval Signal:** The first 14 notes of the International "Students' Hymn" played on piano.

### CANDIA

**Address:** Mr. Minos Tsangarakis, Radio Herakleion, Herakleion, Crete.
**Station:** 6480 kc/s 46.30 m 0.05 kW.
**Daily Programs:** 18.00–20.00 (Provisionally).
**Announcement:** "Edho Herakleion" ("This is Candia").

### CHANIA

**Address:** Mr. Dhaskalakis, Radio Chania, Chania, Crete.
**Stations:** 0.05 kW.
7120 kc/s 42.13 m, 10000 kc/s 30.00 m.
**Daily Programs:** 10.00–12.30, 17.00–19.30.
**Announcement:** "Edho Chania" (This is Chania).

## ARMED FORCES BROADCASTING STATIONS

### ATHENS

**Address:** Stathmos Enoplon Dhynameon (Forces Radio Station), 3-Zakolostas Street, Athens T. 1.
**Stations:** 1300 kc/s 230.7 m 1 kW
6340 – 47.30 – 0.25 –
**Daily Programs:** *Winter:* 05.00–07.30 (Sun. 08.00), 10.00–13.00, 15.00–20.30. *Summer:* 04.30–07.00 (Sun. 08.00), 10.00–13.00 and 16.00–21.30. – *News:* 12.00, 19.00, 21.15 (for overseas listeners).
**Announcement:** "Hellinikos Radhiophonikos Stathmos ton Enoplon Dhynameon" (Greek Forces Radio Station).
**Interval Signal:** The first 10 notes of the march "Greece never dies" played on trumpets.

**CAVALLA** 7650 kc/s 39.21 m 0.3 kW
**Daily Programs:** 10.30–13.00, 17.00–20.00.

**JANNINA** 6200 kc/s 48.39 m 0.3 kW
**Daily Programs:** *Winter:* 05.00–07.00, 10.00 (Sun. 09.00)–13.00, 16.00–19.30. *Summer:* 04.30–06.30, 10.00 (Sun. 09.00 –13.00 and 17.00–20.00.
**Interval Signal:** "D ance of Zalongou" played by wind instrument ensemble

**KOMOTINI** 6400 kc/s 46.86 m 0.3 kW.
**Daily Programs:** *Winter:* 05.00–07.00, 10.00–12.30, 18.00–19.30. – *Summer:* 04.30–07.00, 10.00–12.30, 13.00–20.30.
**Interval Signal:** A greek march: "Trembessina".

**KOZANI** 7950 kc/s 37.74 m 0.2 kW
**Daily Programs:** 05.00–06.30, 10.00–12.30, 17.00–21.00.

**LARISSA** 6745 kc/s 44.50 m 0.3 kW
**Daily Programs:** *Winter:* 05.00–07.00, 10.00 (Sun. 09.00)–13.00, 16.00–20.00. *Summer:* 04.30–06.30, 10.00 (Sun. 09.00)–13.00 and 17.00–21.00.

**MAKRONISSOS** 7030 kc/s 42.67 m 0.05 kW
**Daily Programs:** 05.00–06.30, 10.30–12.30, 15.30–20.00.

**SALONIKA** 1000 kc/s 300.0 m 1 kW
7058 kc/s 4249. m 0.5 kW
**Daily Programs:** *Winter:* 05.00–07.00, 10.00–12.30, 15.00–21.00. *Summer:* 04.30–06.30, 10.00–12.30, 16.00–21.30.

**TRIPOLIS** 7010 kc/s 42.80 m 0.3 kW
**Daily Programs:** 05.30–07.30, 10.00–12.00, 17.00–19.00.

## GREENLAND

**Address:** Radiostation Godthaab, Greenland.
**Station:** Godthaab OX1 5942 kc/s 50.49 m 1 kW
**Daily Programs** from 21.30–22.45.
Weather report – News and Ships' Positions in Danish and Greenlandic. Music.
**Announcement** in Danish: "God Aften. Her Grønlands Radio" in Danish and Greenlandic.
**Interval Signal:** Chimes and first movement of six bars, played twice, of the Funeral March by Norman Andersen which was composed for Kjell Abel's play "Silkeborg".

## HOLLAND

**Population:** 10.000.000. **Licensed Listeners:** 1.918.645.
**Address: Nederlandsche Radio Unie,** The Dutch Radio Union, Postbox 150, Hilversum.
The Dutch Programmes for Home are provided by the following broadcasting societies:
A. V. R. O.: Algemeene Vereeniging Radio Omroep, Headoffice: Keizersgracht 107, Amsterdam. Studio :s' Gravelandseweg 52, Hilversum. – Chairman Mr. G. de Clercq, Secretary-Treasurer Mr. J. Corver, Managing Director Mr. W. Vogt.
K. R. O.: Katoliek Radio Omroep, Emmastraat 52, Hilversum. – Chairman Prof. Dr. J. B. Kors O. P., Secretary Mr. L. P. N. A. Bouwman, Treasurer Mr. C. Burger, Managing Director Mr. P. A. M. Speet.
N. C. R. V.: Nederlandsche Christelijke Radio Vereeniging, Suzannapark 8, Hilversum. – Chairman Mr. A. B. Roosjen, LLD, – Secretary-Treasurer Mr. C. A. Keuning, Member Mr. D. Pereboom, Managing Director Mr. K. van Dijk.
V. A. R. A.: Vereeniging van Arbeiders Radio Amateurs, Heuvellaan 35, Hilversum. – Chairman Mr. K. de Jonge, Secretary-Treasurer Mr. J. W. Lebon, Programme Secretary Mr. J. B. Broeksz.

Radio Nederland: Mr. *Guus Weitzel,* Reporter and Broadcaster.

Greenland Holland Radio Nederland Guus Weitzel

V. P. R. O.: Vrijzinnig Protestantsche Radio Omroep, s' Gravelandseweg 65, Hilversum. – Chairman: Rev. Miss Dr. N. A. Bruining, Secretary-Treasurer Mr. G. J. Ligthart, 2nd. Secretary Prof. Dr. C. W. Mönnich, Managing Director Rev. E. D. Spelberg.

**Central Address for the four principal broadcasting societies:** Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

**Leading Personalities of De Nederlandsche Radio Unie:** Chairman Prof. Dr. J. B. Kors O. P., Secretary Mr. J. W. Lebon, Treasurer Mr. G. de Clercq, Members Mr. J. B. Broeksz, Miss Dr. N. A. Bruining, Mr. A. B. Roosjen, LLD, Mr. K. van Dijk, Mr. P. A. M. Speet and Mr. W. Vogt.

**Stations:** *Long and Medium Waves.*

| | kc/s | m | kW | |
|---|---|---|---|---|
| Lopik I | 746 | 402 | 120 | Hilversum I |
| Lopik II | 1007 | 298 | 120 | Hilversum II |
| Hoogezand | 1594 | 188 | 1.5* | (betw. 16.00 and 17.00 |
| Hengelo | 1594 | 188 | 1.5* | For the Forces) |
| Hulzberg | 1594 | 188 | 1.5 | Relay Hilversum II |

*) The regional transmitters give own programme from 17.00–18.00: during the rest of the time between 18.00–24.00 they relay the Hilversum II program.

**DAILY PROGRAMS:**

**Hilversum I:** 06.00–23.00.
**Hilversum II:** 06.00–09.00, 19.00–23.00.
**Hilversum II:** (2nd and 4th quarter).
**Hilversum I:** (1st and 3rd quarter).

*Weekdays:*
(a) K. R. O.: Tuesday, Friday (once in a fortnight) and Saturdays: 06.00–23.00; Thursdays: 06.00–09.00 and 11.00–13.00.
(b) N. C. R. V.: Mondays, Wednesdays and Fridays (once in a fortnight): 06.00–23.00; Thursdays: 09.00–11.00 and 13.00–23.00.

*Sundays:*
(a) K. R. O.: 07.00–11.15 (once in a fortnight): 11.15–16.00 and 18.45–23.00.
(b) N. C. R. V.: 08.30–11.15 (once in a fortnight) and 16.00–18.45.

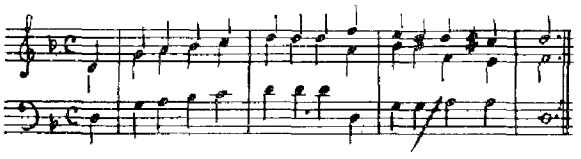
*Weekdays:*
*News:* 06,00, 07.00, 12.00, 18.00, 19.00, 21.30 (b), 22.00. – a. *Music:* 06.15, 07.15, 08.35, 11.03, 13.00, 22.15–23.00. b. *Records:* 06.30. – *Religious Music:* 07.15. – *Program Prologue:*19.05. – *Meditation:* 21.45.

**Hilversum I:** (2nd and 4th quarter).
**Hilversum II:** (1st and 3rd quarter).
(c) V. A. R. A.: Mondays (once in a fortnight): 06.00–23.00; Wednesdays and Saturdays: 06.00–09.00, 09.20–18.30 and 19.00–23.00; Fridays: 06.00–09.00, 09.20–11.00, 15.00–18.30, 20.00–21.40 and 22.00–23.00.
(d) A. V. R. O.: Mondays (once in a fortnight): 06.00–23.00; Tuesdays and Thursdays: 06.00–06.50 and 07.00–23.00; Fridays: 11.00–15.00.
(e) V. P. R. O.: Mondays (once in a fortnight): 09.00–09.20; Tuesdays and Thursdays: 06.50–07.00; Wednesdays and Saturdays: 09.00–09.20, 18.30–19.00; Fridays: 09.00–09.20, 18.30–20.00 and 21.40–23.00.

*Sundays:*
(c) V. A. R. A. 07.00–09.00, 09.00–09.30 (once in a fortnight): 09.30–11.00, 16.00–16.30 (once in a fortnight) and 16.30–19.00.
(d) A. V. R. O. 11.00–16.00 and 19.00–23.00.
(e) V. P. R. O. (once in a fortnight): 09.00–09.30 and 16.00–16.30.

*Weekdays:*
*News:* 06.00, 07.00, 12.00, 17.00, 19.00, 22.00
*Music:* 06.30, 11.00, 22.15. – c. *Socialistic Songs:* 07.15. d. *The Daily Service:* 08.15. – *Topics:* 19.05.

**Interval Signal:** A tune from "Valerius Gedenckklanck": "O Nederland, let up u saeck, de tyt en stout is daer".



**Verification** by QSL-card.

## RADIO NEDERLAND WERELDOMROEP

**World-wide shortwave broadcasting organization of the Netherlands.**

Radio Nederland publishes a monthly program bulletin in English and Spanish with full details of English and Spanish broadcasts, a summary of all other transmissions and some editorial articles. This bulletin will be sent to listeners on request and free of charge.

**Address:** Radio Nederland, P. O. Box 137, Hilversum, The Netherlands. *Cable:* "Mimdivox". *Main Office:* 's/ Gravelandseweg 76, Hilversum.

**Leading Personalities:** Director General Mr. H. J. van den Broek. Director of Programs Mr. G. Sluizer. Director of Administration Mr. C. J. Strop. Head of News Service Mr. J. B. Th. Spaan. Head of Eastern Services, Mr. J. de Munck Mortier. Head of Technical Services Mr. E. van Eldik. Producer "Happy Station" Programs Mr. Edw. Startz. Chief Producer Mr. J. W. Acda. Chief Dutch Service Mr. H. W. F. Aukes. Chief International Service Mr. F. Thors. Chief Transcription Service Mr. J. E. ter Haar.

**Stations:**

| | | | |
|---|---|---|---|
| Huizen 2 | 6025 kc/s | 49.79 m | 5 kW*) |
| Huizen 1 | 9590 – | 31.28 – | 35 – |
| Lopik 4 | 11730 – | 25.57 – | 40 – |
| Huizen 1 | 15220 – | 19.71 – | 35 – |
| Lopik 4 | 17775 – | 16.88 – | 40 – |
| Kootwijk | 21480 – | 13.96 – | 10 – |

*) for listeners in Europe only.

**Daily Programs:**

In.=Indonesia. A=Africa. FE=Far East. Au=Australia. NZ=New Zealand. P=Pacific. E=East. NE=Near East. SA=South Africa. Eg.=Egypt. I=India. Pa.=Pakistan. NA=North Africa. C=Ceylon. SAm.=South America. DWI=Dutch West Indies. CA=Central America. Su=Surinam.

| | |
|---|---|
| 09.00–11.00 Sun.: | *Dutch.* In, A. 13.96, 16.88, 19.71, 49.79 m. |
| 09.30–10.00 Mo.: | *Dutch.* In. FE. 13.96, 16.88, 19.71, 49.79 m. |
| 10.00–10.55 Weekdays: | *English.* Au. NZ. 13.96, 16.88, 19.71, 49.79 m. |
| 11.00–12.30 Tues.: | *English. "Happy Station".* Au. NZ. P. 13.96, 19.71, 49.79 m. |
| 12.15–15.00 Daily: | *Dutch.* In. FE. 13.96, 16.88, 49.79 m. |
| 13.00–14.00 Daily: | *Indonesian.* In. 19.71 m. |

14.30–16.00 Sun. Wed.: *English.* "*Happy Station*". E. NE. 19.71, 49.79 m.
16.00–16.30 Daily: *English and Hindustani.* I. Pa. C. 19.71, 25.57 m.
17.30–18.25 Weekdays: *English.* Europe. A. 25.57, 31.28, 49.79 m.
18.30–18.55 Daily: *Afrikaans.* SA. 25.57, 31.28 m.
19.00–21.00 Daily: *Dutch.* Europe. A. 25.57, 31.28, 49.79 m.
19.00–19.30 Daily: *Arabic.* NE. Eg. 31.28 m.
21.00–21.30 Daily: *Arabic.* NA. 25.57 m.
21.00–22.30 Sun. Wed.: *English.* "Happy Station". A. SAm. 31.28, 49.79 m.
22.30–23.25 Weekdays: *Spanish.* Spain. SAm. 25.57, 31.28, 49.79 m.
23.30–01.55 Daily: *Dutch.* DWI. SU. 25.57, 31.28 m.
02.00–02.55 Weekdays: *English.* North America 25.57, 31.28 m.
03.00–03.55 Weekdays: *Spanish.* CA. 25.57, 31.28 m.
03.00–04.30 Mo. Thurs: "*Happy Station*". North America 31.28 m.

**Highlights of English Programs:**
*News:* (Daily). *By Request:* (Wed.). *Guestbook:* (Tues. Thurs.). *Letterbox:* (Tues.). *Dutch Folk Music:* (Tues.). *Cabaret:* (Thurs. fortnightly). *Program Preview for next week:* (Sat.). "*Window On Holland*": (Sat.). *Netherlands Composers:* (Mo.). *Newsroom Editorial:* (Tues. Fri.). "*The Dutch do it this Way*": (Fri. fortnightly). "*Holland makes it*": (Thurs. fortnightly).

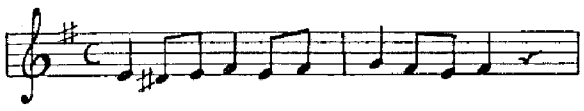
**Highlights of Dutch Programs:**
*News:* (Daily). *The Week in Holland:* (Thurs.). *Concertgebouw Orchestra:* (Sun.). *Opera- or Operette:* (Mo). *Letterbox:* (Tues.). *Request Program:* (Sat.). *Metropole Orchestra:* (Tues.). *Netherlands Dance Music:* (Sat.).

**The International "Happy Station" Programs**
produced and presented by Edw. Startz are of 90 Minutes duration consisting of: Musical entertainment linked by polyglot announcements. – "Spotlight on Holland", featuring local colour news. – Musical interlude. "Mailbag" answering listeners' mail by calls to all parts of the world. – Musical sign-off.

"This schedule will be subject to alteration with in a short time. For further details ask Radio Nederland, P. O. Box 137, Hilversum, Holland.

**Announcements:** *Dutch:* "Hier Radio Nederland in Hilversum". – *English:* "This is the International Service of Radio Nederland in Hilversum, Holland". – *Spanish:* "Aqui Radio Nederland de Hilversum, Holanda". – *Indonesian:* "Disini Hilversum, Siaran Indonesia Radio Nederland". – *Arabic:* "Huna Holanda".

**General Interval-Signal:** Old Dutch folk-song called: "Merk toch hoe sterck" played on Carillon or Celesta on all frequencies.



**Verification** by letter or QSL-card.

## HUNGARY

**Population:** 9.200.000. **Licensed Listeners:** 515.000.
**Address:** Head of the International Relations' Department. – Magyar Központi Hirado Rt. – VIII, Brody Sándor-utca 5-7 – Budapest – Hungary. –

**Leading Personalities:** President, Sándor Barcs. Director, István Szirmai. Managing Director, Kálmán Halász.

| **Stations:** | kc | m | kW |
|---|---|---|---|
| Budapest I Radio Kossuth | 539 | 576.5 | 135 |
| Budapest II Radio Petofi | 1187 | 252.7 | 135 |
| Nyiregyhaza | 1250 | 240 | 10 |
| Zalaegerszeg | 1250 | 240 | 20 |
| Budapest, Magyaróvár, Miskolc, Pécs | 1340 | 224 | 5 |
| Budapest | 6248 | 48.02 | 100 |
| – | 9833 | 30.51 | 100 |
| – | 11910 | 25.19 | 100 |

**DAILY PROGRAMS.**

**Budapest I.** 04.00–07.30, 10.30–23.30.
*News: In Hungarian:* 05.45, 11.00, 13.00, 16.00, 18.40, 23.00. In *English:* 23.11. – In *German: for Austria:* 17.40. – In *Serbo-Croat:* 14.15. – *Press Review:* 04.20, 07.00. – *Program Preview:* 06.55. – *Music:* 04.00, 05.00, 06.20, 10.30, 12.00, 21.30.

**Budapest II.** 04.30–10.30, 14.20–23.00.
*News in Hungarian:* 09.00. – In *Serbo-Croat:* 17.30. – In *French:* 20.40. – In *Serbo-Croat:* 22.00–23.00. – *Music:* 04.45, 05.15, 06.45, 09.10, 14.00.

**Short Waves:**
*In Greek:* 17.00–17.15, 19.30–19.50.
*In Russian:* 17.20–17.35.
*In German:* 18.20–18.40.
*In Finnish:* 18.45–19.00.
*In French:* Wed. Sat. 19.20–19.30.
*In French:* 20.00–20.15.
*In English:* Wed. Sat. 20.40–20.50.
*In English:* 22.00–22.20, 23.10–23.30.
*In English* to USA and Canada: 00.30–00.50, 04.00–04.20.
*In Hungarian* to USA and Canada: 01.00–01.20, 04.30–04.50.

Between each Program: Hungarian Music.

**Announcement:** Radio Kossuth: "Itt Kossuth Rádió Budapest". Radio Petöfi: "Rádió Budapest". In *English:* "This is Budapest". **Verification** by letter.

## ICELAND

**Population:** 138.502. **Listeners:** Licensed 35.352.

**Address:** Ríkisútvaroid, Reykjavík. *Cable:* "Utvarp".

**Leading Personalities:** Director General Mr. Jonas Thorbergsson. Chief Engineer Mr. Gunnlaugur Briem.

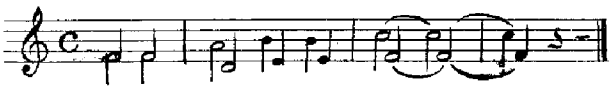
**Stations:**

| | | | | | |
|---|---|---|---|---|---|
| Reykjavík | TFU | 182 kc/s | 1648 | m | 100 kW |
| Eidar | TFE | 611 – | 491 | – | 1 – *) |
| Reykjavík | TFJ | 12175 – | 24.64 | – | 7 – |

*) Relay TFU. To be increased to 5 kW.

**Daily Program** (in Icelandic only):
09.30–10.00, 13.10–14.15, 16.30–17.30, 19.30–24.00 (01.00). *News:* 09.30, 13.25, 16.55, 21.00, 23.00.
On short wave to Icelanders abroad Sun: 16.15–16.45.
**Announcement:** Ut varp, Reykjavik""

**Interval Signal:** Opening Signal for short wave transmissions



**Verification** by QSL-card. Return postage requested.

## ITALY

**Population:** 47.768.940. **Listeners:** 2.982.025.
**Address:** Radio Italiana, Via Botteghe Oscure 54, Roma. *Cable:* "Raidirro". – Radio Italiana, Via Arsenale 21, Torino. *Cable:* "Raidirto".
**Leading Personalities:** Director General Mr. Salvino Sernesi. Vice Director General Mr. Marcello Bernardi. Secretary General and Director of Foreign Relations Department Mr. Gian Franco Zaffrani. Director of Programs Mr. Giulio Razzi. Director of Radio News Mr. Antonio Piccone Stella.
**STATIONS:**

*Red Network* (Rete Rossa).

| | kc/s | m | kW |
|---|---|---|---|
| Palermo | 566 | 530.0 | 10 |
| Rome I | 845 | 355.0 | 100 |
| Milan II | 1034 | 290.1 | 10 |
| San Remo | 1034 | 290.1 | 5 |
| Venice II | 1034 | 290.1 | 5 |
| Bari I | 1115 | 269.1 | 20 |
| Bologna I | 1115 | 269.1 | 50 |
| Catania I | 1367 | 219.5 | 5 |
| Ancona | 1448 | 207.2 | 5 |
| Naples II | 1448 | 207.2 | 5 |
| Turin II | 1448 | 207.2 | 20 |
| Bolzano II | 1484 | 202.2 | 1 |
| Florence II | 1484 | 202.2 | 3 |
| Genoa II | 1484 | 202.2 | 5 |
| Spezia | 1484 | 202.2 | 5 |
| Udine | 1484 | 202.2 | 1 |
| Catanzaro | 1578 | 190.1 | 0.04 |
| Cosenza | 1578 | 190.1 | |
| Foggia | 1578 | 190.1 | |
| Merano | 1578 | 190,1 | |
| Potenza | 1578 | 190,1 | |
| Savona | 1578 | 190.1 | |
| Salerno | 1578 | 190,1 | |
| Trento | 1578 | 190.1 | |

*Blue Network* (Rete Azzurra).

| | kc/s | m | kW |
|---|---|---|---|
| Bolzano I | 656 | 457.3 | 20 |
| Florence I | 656 | 457.3 | 100 |
| Naples I | 656 | 457.3 | 100 |
| Turin I | 656 | 457.3 | 80 |
| Milan I | 899 | 333.7 | 50 |
| Genoa I | 1331 | 225.4 | 10 |
| Messina | 1331 | 225.4 | 5 |
| Pescara | 1331 | 225.4 | 25 |
| Rome II | 1331 | 225.4 | 5 |
| Venice I | 1331 | 225.4 | 20 |
| Bari II | 1484 | 202.2 | 1 |
| Bologna II | 1484 | 202.2 | 1 |
| Catania II | 1484 | 202.2 | 0.25 |
| Verona | 1484 | 202.2 | 1 |

**Autonomous Stations:**
Radio Sardinia 1061 kc/s 282.8 m 5 kW.
**Short Wave Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Rome | 6010 | 49.92 | 60 | Busto | | | |
| Busto Arsizio | 9630 | 31.15 | 50 | Arsizio | 15120 | 19.84 | 50 |
| Rome | 9630 | 31.15 | 100 | Rome | 15313 | 19.59 | 100 |
| Busto Arsizio | 11810 | 25.40 | 50 | Rome | 17770 | 16.88 | 100 |
| Rome | 11905 | 25.20 | 60 | Rome | 17800 | 16.85 | 60 |
| | | | | Rome | 21500 | 13.90 | 100 |

**THIRD PROGRAM:**
For an initial first experimental period the "Third" will be broadcast only from a FM Station and a Short-wave Station; subsequently it is to be extended to some medium wave stations of moderate power.
At the beginning, some of the outstanding afternoon transmissions of the "Third Programme" may also be broadcast – but not regularly – by RAI's Blue Network, in order to give more listeners an opportunity to follow this new channel.
**DAILY PROGRAMS: Medium Waves:**
NN=National Network (Stations I only), BN=Blue Network, RN=Red Network.
*News:* Weekdays NN: 06.00, 07.00, 12.00. Sun. 07.00, 08.30 (From Christian World), 12.00. Daily RN. 14.00. 19.30, 22.10, 23.00. Daily BN. 13.00, 19.00, 22.10, 23.00, *Opera:* Sun. 20.08 (RN), Tues. 19.40 (BN). – *Symphony:* Mo. 20.55 (BN), Wed. 20.30 (RN), Fri. 20.00 (BN). – *Chamber Music:* Thurs. 20.40 (RN), Sat. 21.40 (BN). – *Light Music:* Sun. 19.35, 21.00 (BN), Mo. 20.15 (BN), Tues. 21.25 (RN), Wed. 20.03 (RN), 20.15, 21.10 (BN), Thurs. 20.03, 21.20 (RN), Fri. 21.40 (RN), Sat. 21.50 (RN). – *Radio Show:* Mo. 19.30 (BN), Tues. 20.03 (RN), Fri. 20.03 (RN), Sat. 19.30 (BN). – *Musical Comedy:* Sat. 20.03 (RN). – *Variety:* Thurs. 19.30 (BN). – *Jazz:* Sat. 20.55 (RN). – *The Curtain Rises:* Sat. 21.20 (RN). – *Actuality:* Fri. 19.30 (BN). – *Voices from the World:* Sun. 20.30 (BN). – *Theatre:* Mo. 20.03 (RN), Wed. 20.30 (BN). Thurs. 20.10 (BN), Fri. 21.00 (RN), Sat. 20.40 (BN). – *Brains Trust:* Wed. 19.30 (BN). – *Organ Music:* Sun. 10.00 (NN). – *High Mass:* Sun. 10.30 (NN).
*Short Waves:*
**Radio Bolzano:** *Program in German* for the German speaking population in Südtirol: *Weekdays:* 11.20–11.50, 18.00 –19.10. *Sun:* 10.30–11.50, 20.03–21.20. – *Raeto Romanic Programs: Sat.* 11.00–11.20.
**Announcement:** *Medium Waves:* "RAI, Radio Italiana, Short Waves:
„Stazioni della Rete Rossa" (or Rete Azzurra).
**Future Plans:** When the reconstruction plan of Italian Broadcasting comes to an end, the final scheme will be as follows:

**BLUE NETWORK:** This channel will be heard practically over the whole Italian territory. The programs are dedicated to the average listener and will include all kinds of items and the radio news.
**RED NETWORK:** With less listening possibilities, will consist of Lighter Programmes and easy-listeningi tems.

**THIRD PROGRAMME:** Is the new, cultural broadcast of Radio Italiana for people of higher level.

**Daily Programs on Short Wave and Bari I.**

00.00–00.53 Daily. *Italian.* N. America. in 16–19–25–31 m. b.
01.00–02.25 Daily. *Italian.* N. America, Mexico. In 16–19–25–31 m. b.
03.15–03.30 Daily. *Russian.* In 19–25–31 m. b.
08.15–09.38 Daily. *Italian.* Pacific, East Africa. In 16–19–25–31 m. b.
09.45–10.53 Daily. *Italian.* Africa. In 16–19–25–31 m. b.
11.00–12.30 Daily. *Italian.* Middle East, Far East. In 16–19–25–31 m. b.
14.00–14.25 Daily. *Italian.* India. In 16–19–25 m. b.
14.33–15.23 Daily News. *Italian.* In 16–19–25–31 m. b.
15.30–16.00 Daily. *Bulgarian,* Slovak in 16–19–25–49 m. b.
16.00–16.15 Daily. *Albanian.* In 19–25–31 m. b.
16.00–16.20 Mo., Thurs.: *Norwegian.* – Tues., Sat.: *Dutch.* – Wed.: *Flemish.* – Fri., Sun.: *Spanish.* – In 19–25 m. b.
16.20–16.40 Weekdays. *Danish* in 16–19–25 m. b. Sun.: *English, German, French Swedish.*
16.15–16.45 Daily. *Czeck.* In 19–25 m. b.
16.45–17.15 Daily. *Polish.* In 19–25 m. b.
16.47–18.00 Daily. *Italian.* East Africa. In 16–19–25 m. b.

17.15–17.40 Daily. *Yugoslavian.* In 19–25–49 m. b.
17.40–18.20 Daily. *French.* In 19–25–31 m. b.
18.00–18.40 Daily. *Italian.* S. Africa. In 16–19–25 m. b.
18.20–18.40 Weekdays *Swedish.* In 19–25–31 m. b.
Sundays.: *Italian.* In 19–25–31 m. b.
18.40–19.15 Daily. *English.* In 25–31–49 m. b.
18.47–19.35 Daily. *German.* In 19–25–49 m. b.
19.15–19.45 Daily. *Turkish.* In 19–25–49 m. b.
19.35–20.15 Daily. *Greek.* In 19–25–31 m. b.
19.45–20.15 Daily. *Russian.* In 19–25–49 m. b.
20.15–20.53 Daily. *Italian.* Middle East, Africa. In 19–25–31–49 m. b.
21.00–21.30 Daily. *Rumanian* and *Hungarian.* In 19–25–31–49 m. b.
21.45–22.45 Daily. *Italian, Spanish, Portuguese.* Latin-America. In 16–19–25–31 m. b.
22.50–23.53 Daily. *Italian.* In 16–19–25–31 m. b.
*Radio Bari* (283.3m) 15.15–15.30 Sat. 15.40–15.55 Weekdays exc. Sat. News in *Arabic.*
*This schedule will be subject to alterations.*
**Announcement:** In *Italian:* "Qui La Radio Italiana che transmette sulle stazioni ad onde corte di metri . . . . .". Repeated in the various languages. – In *English:* "Here Radio Italiana, Broadcasting on short waves, metres . . .".
**Interval Signal:** Bird chirping. **Verification** by QSL-card.

## LUXEMBOURG

**Population:** 296.048. Licensed **Listeners:** 56.790.
**Address:** Radio Luxembourg, Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg. *Cable:* Radio Luxembourg.
**Leading Personalities:** President Mr. Emile Reuter. Vice President Delegate Mr. Jacques Lacour-Gayet. Director General Mr. René Louis Peulvey. Chief Engineer Mr. Mathias Felten. Director of Programs Mr. André Dubois la Chartre. Director of Music Mr. Henri Pensis.
**Stations:** *Radio Luxembourg.*

| kc/s | m | kW | kc/s | m | kW |
|---|---|---|---|---|---|
| 232 | 1293 | 150 | 9527 | 31.49 | inactive |
| 1439 | 298.4 | 1 *) | 11782 | 25.46 | inactive |
| 6090 | 49.26 | 5 | 15350 | 19.54 | 5 |

*) From 15/1–51 150 kW.

Radio Luxemburg: French Announcers: Miss *Christiane* (»Le Passe Temps des Dames et des Demoiselles« Weekdays 16.30) and Mr. *Claude Robert.*

**DAILY PROGRAMS:**
232 *kc/s: Weekdays* 05.40–14.30, 15.45–24.00. *Sun.* 06.00–00.30.
6090 *kc/s:* 18.00–24.00. 15350 *kc/s:* 11.00–13.30.
*In French:* (W=Weekdays, S=Sundays).
*News:* 05.40 (W), 06.00(S), 06.45(W), 07.00(S), 08.00, 09.00, 10.00(W), 11.00(W), 12.00, 13.00, 14.00(W), 17.00 (W), 18.15, 19.00, 20.00, 21.00(W), 22.00(W).
"*Le Passe Temps des Dames et des Demoiselles*": Weekdays 16.30. – "*Heure théatrale*": Mo. 20.00. – "*Reine d'un jour*": Tues. 19.00. – *Symphony:* Thurs. 20.30. – "*Pêle Mêle*": Fri. 19.45. – "*Le Luxembourg parle à ses amis de 'Etranger*": Daily 11.20.
*In Luxembourgisch:* Sun 18.00.
**Announcement:** "Ici Radio Luxembourg". Announcements are also made in English and on weekdays until 13.30 (on 232 kc/s 14.30) also in German.
**Interval Signal:** Melody played on piano: A Luxembourgian popular song.

**Verification** by QSL-letter.

## MONACO (Commercial)

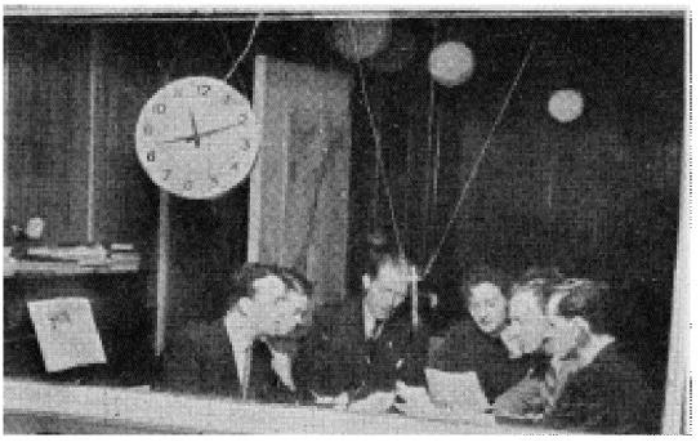
**Population:** 40.000. **Licensed Listeners:** 11.000.
**Address:** Radio Monte Carlo, 16 Boulevard Princesse Charlotte, Monte Carlo.
**Leading Personalities:** Chairman of Board of Directors Mr. J. Reymond. Director General, Mr. Robert Schick. Head of Administration Mr. de la Panouse. Director of Programs Mr. Florent Fels. Chief Engineer Mr. Fromaget. Commercial Director, Mr. R. H. Dogor. Chief Editor, Mr. M. Mussier.
**Stations:** Radio Monte Carlo.
1466 kc/s 205 m 150 kW – 9785 kc/s 30.65 m 30 kW 6035 – 49.71 m 30 kW.
**Daily Programs** in *French: Weekdays:* 06.00–08.03, 11.00–13.00, 17.00–22.05. *Sundays:* 06.00–22.05. *News:* 06.00, 07.00 (Press Review), 08.00, 11.00, 12.00, 17.00, 18.00 18.55, 21.00, 22.00.
"*Les Disques Que Vous Aimez*": Mo. 20.45. – *Variety:* "*Reine D'Un Jour*": Tues. 19.00. – "*Cabaret du Lapin Agile*": Mo. 19.30. – *Cocktail:* Thurs. 20.00. – *Opera or Operette:* Fri. 19.00. – "*Cara Italia*": Fri. 21.15. – "*Christo per tutte le Nazioni*" (Italian): Wed. 17.05. – *Pêle-Mêle:* Fri. 19.45. – "*Allo Monte-Carlo*": Sun. 09.30. – *Symphony:* Sun. 20.00. – *Actualities and Outside Broadcasts:* Sun 14.00–17.00.
**Announcement:** "Ici Monte Carlo", longueurs d'ondes: 205 m en ondes moyennes et 49m.71 et 30m.65 en ondes courtes Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjour Messieurs, nos émissions commencent, en voici le programme . . . . . .«
**Interval Signal:** Before and after every transmission period: 06.00, 11.00 and 18.00 is played "L'Hymne Monegasque". **Verification** by QSL-cards or letter.

## NORWAY

**Population:** 3.250.000. **Licensed Listeners:** 760.000.
**Address:** Norsk Rikskringkastning, Suhmgatan 23, Oslo. *Cable:* Studio, Oslo, Norway.

Luxembourg Monaco Norway Miss Christiane Claude Robert

**Leading Personalities:** Director Mr. Kaare Fostervoll. Directors of Programmes: Mr. Thorstein Diesen, Director of Administration Mr. Knut Tvedt. Chief Secretary Mr. Olav Lid. Studio-Controller Mr. Arthur Klæbo. Programme-Editors Mr. Toralv Øksnevad. Mr. Carl C. Lyche, Mr. Fr. Chr. Wildhagen, Mr. Leif Rustad. Chief of Music Dept. Mr. Hugo Kramm. Chief of Plays Mr. Jens Gundersen. Chief of Short-wave Programmes Mr. Gunnar Nygaard.



Norway: The popular »The Letter Box«, whic can be heard every Saturday evening in English and Norwegian. From left: Mr. *Tollet Berg*, Miss *Margit Birkedal*, Mr. *Gunnar Nygaard* (Director of the Short Wave Division), Miss *Bitta Romsland*, Mr. *Ness* and Mr. *J. Frydenlund*.

**Stations:** *Medium Waves.*

| | | kc/s | m | kW |
|---|---|---|---|---|
| Tromsö | | 155 | 1935.0 | 10 |
| Oslo | | 218 | 1376.0 | 100 |
| Hamar | | 520 | 576.9 | 1 |
| Vigra | | 629 | 477.0 | 100 |
| Bodö | | 674 | 445.1 | 10 |
| Finnmark | | 701 | 428. 0 | 10 |
| Bergen I | | 890 | 337.1 | 20 |
| Kristiansand | | 890 | 337.1 | 20 |
| Tröndelag | | 890 | 337.1 | 20 |
| Bergen II | | 1115 | 269.1 | 1 |
| Lista | | 1115 | 269.1 | 0.3 |
| Namsos | | 1115 | 269.1 | 1 |
| Notodden | | 1115 | 269.1 | 1 |
| Stavanger | | 1313 | 228.5 | 100 |
| Geilo | | 1466 | 204.6 | 0.25 |
| Narvik | | 1466 | 204.6 | 1 |
| Odda | | 1466 | 204.6 | 0.25 |
| Porsgrunn | | 1466 | 204.6 | 1 |
| Svalbard | | 1466 | 204.6 | 0.25 |
| Fåberg | | 1484 | 202.2 | 0.25 |
| Mosjöen | | 1484 | 202.2 | 0.025 |
| Rjukan | | 1484 | 202.2 | 0.25 |
| Frederikstad | | 1578 | 190.1 | 10 |
| Tromsö | LLI | 6185 | 48.50 | 10 |
| – | LLS | 7210 | 41.61 | 10 |
| – | LLR | 7240 | 41.44 | 10 |
| – | LKJ | 9540 | 31.45 | 10 |
| Frederikstad | LLG | 9610 | 31.22 | 10 |
| – | LKQ | 11735 | 25.56 | 10 or 100 |
| – | LLK | 11850 | 25.32 | 10 |
| – | LKV | 15170 | 19.78 | 10 or 100 |
| – | LKW | 17755 | 16.90 | 10 |
| Frederikstad | LLN | 17825 | 16.83 | 10 or 100 |
| Oslo | LLP | 21670 | 13.85 | 5 |
| – | LLG | 21730 | 13.81 | 5 |

**DAILY PROGRAMS ON LONG AND MEDIUM WAVES**

**In Norwegian:** *Weekdays:* 06.30–07.35, 10.20–12.40, 15.45 (Sat. 15.30)–22.00. *Sun:* 07.55–14.45, 15.15–22.15.
*News:* (W=Weekdays. S=Sundays) 07.00(W), 08.00(S), 12.00(S), 12.30(W), 18.05, 21.00. – *Weather reports:* Weekdays 10.25, 12.00.
"*Folkmusic*": Approx. Sun. 16.30. – "*Den vide Verden*": Fri. 20.40. – *Symphony:* Sun., Wed., Thurs., or Fri. 19.00.
*Radio Theatre:* Thurs. or Fri. 19.00.
Programs on long and medium waves are relayed by Tromsö short wave transmitter for Norwegian seamen in the North Atlantic and the North Sea:
*On* 9540 *kc/s:* Mo.-Fri. 06.15–07.30(Sat. 08.20), 10.20–12.40(Sat. 12.35). Sun.: 07.55-14.45.
*On* 7210 *kc/s:* Weekdays: 15.45(Sat. 14.30)–22.00. Sun.: 15.15–22.15.
**Regional Programs:** *Bergen II:* Weekdays 11.00–11.30. *Daily:* 16.00–18.00. – *Tromsö and Finmark* in *Samisk* on 155, 701 and 7210 kc/s: Tues., Fri. 15.30–15.45.

**ON SHORT WAVES:**

S=Sundays. W=Weekdays. NAW=North American Waters. NA=North Atlantic. NS=North Sea. FE=Far East. IO=Indian Ocean. AW=African Waters. SA=South Atlantic. S.Am.=South America.

**From Oslo and Frederikstad. Daily:**
01.00-02.00 (S. 02.15) to NAW, NA in 19, 25, 31 m.b. and 190 m. For Norwegians abroad.
06.15–07.30 (S. 07.55–10.50) to AW, SA in 13, 16, 19, 25 m.b. Relay Home Service.
11.00–12.00 (S. 12.15) to FE in 13, 16 ,19, 25 m.b. For Norwegians abroad.
13.00–14.00 (14.15) to IO in 13, 16, 19, 25 m.b. For Norwegians abroad.
18.00 (Sat. 17.00, S. 15.00)–19.00 to AW, SA in 13, 16, 19, 25 m.b. Relay Home Service.
19.00–20.00(S. 20.15) to AW, SA in 13, 16, 29, 15 m.b. For Norwegians abroad.
20.00(S. 20.15)–22.00 to AW, SA in 13, 16, 19, 25 m.b. Relay Home Service.
23.00–24.00(S. 00.15) to S.Am. in 19, 25, 31 m.b. and 190 m. For Norwegians abroad.
Every transmission to Norwegians abroad consists of: News, Local News, Talk and Music. The last 15 minutes consists of Norwegian music or music by Norwegian artists. This section is announced in both English and Norwegian.
"*Norway this week*" in *English:* Sun: 12.00, 14.00, 20.00, 24.00 and Mo. 02.00–02.15.
Every *Saturday* is broadcast in Norwegian and English a "Letter-Box" program (the last 1/2 hour of the broadcast), in which listener's letters are answered and their musical requests are honoured.

**From Tromsö to NA and NS Relay of Home Service.** Reports to Norsk Rikskringkasting, Tromsö.

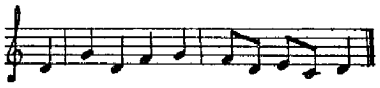
| | | |
|---|---|---|
| 06.30–07.30 | *Weekdays* (exc. Sat.) | on 9540 kc/s |
| 07.55–14.45 | *Sundays* | on 9540 – |
| 06.15–08.20 | *Saturdays* | on 9540 – |
| 10.20–12.40 | (Sat. 12.35) | on 9540 – |
| 15.45–22.00 | *Weekdays* (exc. Sat.) | on 7210 – |

Norway Tollet Berg Margit Birkedal Gunnar Nygaard Bitta Romsland Mr. Nees Mr. J. Frydenlund

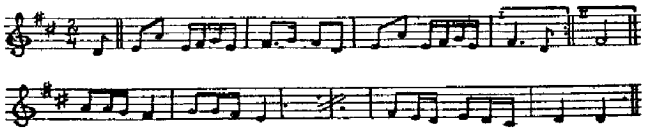
15.30–15.45 *Weekdays* in Samisk on 7210 –
15.15–22.15 *Sundays* on 7210 –
14.30–22.00 *Saturdays* on 7210 –

**Announcements:** Mediumwaves: "Dette er Norsk Rikskringkasting". – Shortwaves: "This is Radio Norway with its shortwave service for Norwegian abroad". In *Samisk:* "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgiel programa".

**Interval Signal:** For all long- and mediumwaves:



Every *shortwave-transmission* to Norwegians abroad is introduced by a Norwegian folkmelody from Hallingdal:



At opening and close down: Choir (Norwegian music).

**Message to Listeners:** Reports are answered by QSL-cards — and by radio Saturday evening in the English-Norwegian "letter-box" feature program.

**Future plans:** A 200 kW long-wave transmitter near Oslo under construction.

## POLAND

**Population:** 24.600.000. **Licensed Listeners:** 1.400.000.

**Address:** Polskie Radio, Service des Echanges Internationaux, Noakowskiego 20, Warsaw. *Cable:* Polskie Radio – Warsaw.

**Leading Personalities:** Director General, Mr. Wilhelm Billig. Chief of Foreign Relations, Miss Anna Lewikowska.

**Stations:**

| *Medium Waves:* | kc/s | m | kW | |
|---|---|---|---|---|
| Warsaw Central | 224 | 1321.6 | 200 | Centr. Prog. |
| Gliwice | 737 | 407.1 | 10 | – – |
| Warsaw I | 818 | 366.7 | 50 | Natio. Prog. |
| Gdansk | 1304 | 230 | 1 | Reg. Prog. |
| Poznan | 1205 | 248.9 | 6 | – – |
| Wroclaw | 1079 | 278 | 50 | – – |
| Torun | 1367 | 219.5 | 24 | – – |
| Cracow | 1502 | 199.7 | 10 | – – |
| Lódz | 1484 | 202 | 2 | – – |
| Szezecin | 1259 | 238.3 | 50 | – – |

*Short Waves:* 7.5 kW
Warsaw III 6220 kc/s 48.23 m 7205 kc/s 41.64 m
9528 kc/s 31.49 m

### THE CENTRAL PROGRAM.

**On 1321.6 m:** *Weekdays:* 04.00–22.15. *Sun.:* 05.50–23.00.

**News:** *Weekdays:* 05.30, 07.00, 11.03 (Press Review), 15.00, 19.00, 22.00. *Sun.:* 06.00, 07.00 (Press Review), 11.03 (Press Review), 15.00, 19.00, 22.00.

**Program Previews:** 05.00, 05.50 (Sun.), 12.25, 14.45 (Sun. for next week).

**Weekdays:**

04.00–05.00 Relays National Program
06.00 Music
07.05 Music
08.15 Music
08.50 Literary
09.10 Music
10.15 Music
11.00 Time Signal, Bugle Call from Notre Dame Cracow
11.15 Music
11.55 Music
16.20 Music. Actualities
16.55 Commentaries
17.00 Literary
17.20 Music
17.45 For the Country
18.00 Music
19.30 Music
19.45 Chopin Concert (Wed.) Plays (Tues. Fri.) The Week's Composer (Thurs.)
21.00 Music
21.30 Music

**Sundays:**

06.15 Music
07.05 For the Country
07.15 Music
08.10 For the Women
08.30 Music
09.00 Music
10.35 Music
11.00 Time Signal. Bugle Call from Notre Dame Cracow
11.15 Symphony
12.15 Sunday in the Country
15.20 Music
16.00 Opera or Operette
19.30 Dance Music
20.15 Theatre
20.45 Music
21.45 Music
22.15 Concert

### THE NATIONAL PROGRAM.

**On 366.7 m:** *Weekdays:* 04.00–07.10, 12.30–02.00 *Sun.:* 05.50–23.00.

**News:** *Weekdays:* 06.00, 07.00 (also local), 15.20 (local), 16.00, 19.00, 22.00, *Sun.:* 07.00, 12.15 (local), 16.00, 19.00, 22.00. *Press Reviews:* Sun. 09.05, 11.03. *Program Previews:* Weekdays 04.00. Sun. 05.50.

**Weekdays:**

04.05 Music. 06.15 Music.
06.40 Music. 12.50 Music.
15.35 Music. 16.15 Music.
16.40 For Women, Children, Youth.
17.45 Music.
18.20 Music. Sat. History of Polish Music.
19.30 Tues. Thurs. Symphony. Wed. Play. Sat. Concert.
20.30 Music. Actuality
21.00 Litera.. 21.20 Music.
22.15 Concert.
23.01–02.00 Press at dictation speed.

**Sundays:**

06.00 Music. 07.15 Music.
08.00 Organ Music.
08.30 Literary. 08.45 Music.
09.05 Mailbag.
11.00 Time Signal. Bugle Call from Notre Dame Cracow.
11.15 Music.
12.30 Music. 13.50 Music.
15.00 Chorals.
15.20 Literary.
16.20 Concert. 17.00 Play.
18.00 Concert.
19.30 Music.
20.25 Dance Music.
21.45 Music.

### SHORT WAVES. VARSAW III.

**On 48.23 m.** from 13.44–16.00, 17.15–17.45, 18.00–02.00.
**On 31.49 m.** from 05.00–07.05, 13.44–14.15, 15.30–16.00, 17.15–17.45, 18.00–19.00, 23.00–23.15, 01.00-01.30.
**On 41.64 m.** from 19.59–21.30, 22.30–22.45,.

**48.23 m.**

13.44 Announcement.
13.45 Bulgarian.
14.00 Czech.
14.30 Russian.
15.00 Bulgarian.
15.15 Czech.
15.30 Yugoslavia.
17.15 English.
18.00 For Poles abroad.
18.30 English.
19.00 Greek.
19.30 Israelitic.
19.45 Spanish (Mo. Fri.) Other days Music.
20.00 French.
20.30 for Poles abroad.
21.00 Relays National.
23.01 Press at dictation speed (Relays National. exc. Sun.).

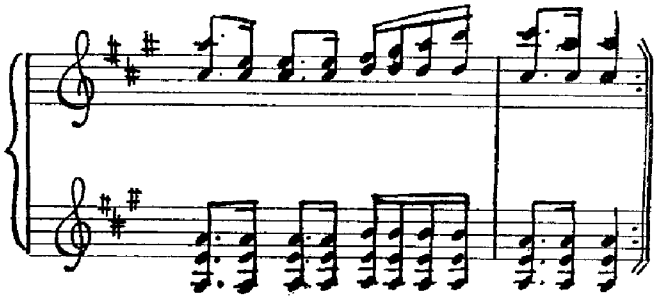
**31.49 m.**

05.00 Relays National.
06.00 Relays Central.
13.44 Announcement.

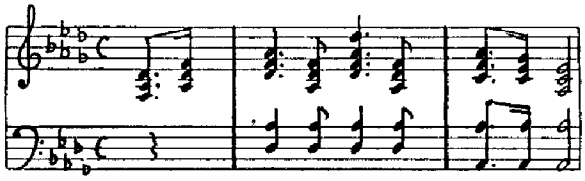
13.45 Bulgarian.
14.00 Czech.
15.30 Yugoslav.
17.15 English.
18.00 For Poles abroad.
18.00 French.
23.30 For Poles in USA.
01.00 For Poles in USA.
**41.64 m.**
19.59 Announcement.
20.00 French.
20.30 Greek.
21.00 Yugoslav.
22.30 Greek.

**Announcement:** "Ici Varsovie, émettant sur les longueurs d'ondes de 48.23 m et de 41.64 m. Nous commencons ntreo émission en langue . . . . . .".

**Interval Signal:** *Warsaw Central:* First movement of a flat major Polonaise by Chopin.



*Warsaw National and Warsaw III:*



**Verification** by QSL cards.

## PORTUGAL

**Population:** 8.000.000. **Listeners:** 220.000.

**Radiopublication:** "RADIO NACIONAL", Rua do Quelhas, 2 – Lisboa – Editor Mr. Henrique Forjaz Trigueiros.

**EMISSORA NACIONAL DE RADIODIFUSAO** (Government Network)·

**Address:** Rua do Quelhas, 2, Lisboa. – *Cable* EMISSORA, Lisboa.

**Leading Personalities:** President, a. i. Mr. Manuel Bivar. Technical Director Mr. Manuel Bivar. Administrative Director Mr. Armando Stichini Vilela. Production Manager Mr. José Luiz da Silva Dias. Transmitting Dept. Mr. Fernando da Cunha de Eça. Studio Dept. Mr. Henrique Leotte Tavares. Chief for the Administrative Bureau Mr. José Carmo Carrilho.

**Stations:**

**HOME SERVICE:**

| | kc/s | m | kW | |
|---|---|---|---|---|
| Lisbon I | 719 | 417 | 50 | Nacional |
| Lisbon II | 665 | 451 | 15 | Regional |
| Porto | 755 | 397 | 10 | Nacional (North) |
| Coimbra | 1.367 | 219 | 1 | Regional (Middle) |
| Faro | 1.358 | 221 | 1 | Regional (South) |
| Atlántico Regional | 1.214 | 247 | 2 | Ponta Delgada - Azores |
| Madeira | 1.529 | 196 | 1 | Funchal - Madeira |
| Azores Regional | 4.845 | 61.92 | 1 | Ponta Delgada |
| Lisbon | 6.374 | 47.06 | 10 | Nacional |
| Azores Regional | 11.090 | 27.05 | 1 | Ponta Delgada |
| Lisbon | 15.380 | 19.51 | 10 | Nacional |

**OVERSEAS SERVICE: Lisbon**

| kc/s | m | kW | kc/s | m | kW |
|---|---|---|---|---|---|
| 6360 | 47.17 | 10 | 12749 | 23.53 | 10 |
| 6374 | 47.07 | 10 | 15100 | 19.87 | 50 |
| 7018 | 42.75 | 10 | 15150 | 19.80 | 50 |
| 7049 | 42.56 | 10 | 15380 | 19.51 | 50 |
| 9670 | 31.02 | 50 | | | |
| 9746 | 30.78 | 50 | 17740 | 16.91 | 5 |
| 11027 | 27.21 | 50 | 17860 | 16.80 | 5 |
| 11040 | 27.17 | 50 | 21490 | 13.96 | 5 |
| 11920 | 25.17 | 50 | 21660 | 13.85 | 5 |
| 11940 | 25.13 | 50 | 25660 | 11.69 | 5 |
| 11995 | 25.01 | 50 | 25690 | 11.68 | 5 |

**DAILY PROGRAMS: HOME SERVICE**

From 1st Sun. in April to 1st Sun. i October the transmissions are delayed one hour (summertime).

**Lisboa I:** *Weekdays:* 08.30–10.00, 12.00–14.00, and 18.30 –24.00. Sun.: 08.30–10.00, 11.30–24.00.

*News:* 08.35, 13.00, 19.00, 21.00, 23.00. – *Dance Music:* 18.30 and 23.15.

**Lisboa II:** *Daily* 20.00–24.00 (During football-season, September to July, 15.45–24.00 on Sun.).

**Porto I** (North Nacional), **Coimbra** (Middle Regional), **Faro** (South Regional): *Weekdays:* 12.00–14.00, 18.30–24.00. *Sun.:* 11.30–24.00.

**Atluntico:** Weekdays: 12.00–14.00 in 19 m.b. 18.30–24.00 in 47 m.b. – *Sun.:* 11.30–18.00, 18.00-24.00.

**Azores Regional:** *Daily:* 20.00-21.00 in 27 m.b. 22.00-24.00 in 62 m.b.

**Highlights of Programs on Medium Waves.**

*Symphony:* 21.45 Thurs. – *Chamber Music:* 21.30 Tues. *Play:* 22.00 Fri. - *Variety:* 22.00 Mo. - *Guitar Concert:* 23.00 Sun.

**DAILY PROGRAMS: OVERSEAS SERVICES in Portuguese**

For S. Tomé, Angola and Moçambique (Portuguese East and West Africa): 08.30–10.00 in 13, 19 m.b. 17.30–20.30 in 13, 19, 27 m.b. or 16, 25, 30 m.b.

For Macau and Timor (Portuguese Far East): 11.00–13.00 in 13, 19, 27 m.b.

For Goa, Damao and Diu (Portuguese India): 14.15–16.45 in 13, 19, 27 m.b.

For Brasil, Cabo Verde and Guiné (South Atlantic): 14.15–16.45 in 13 or 16 m.b. 21.00–23.00 in 19, 27 m.b. or 27, 30 m.b.

For the North Atlantic (Portuguese Fishing Fleet, and U. S. A.): 00.00–01.30 in 27, 30, 49 m.b.

Programs consist of: Program Preview, Music, News, Theatre and Talks.

When two frequencies are indicated, the first one applies to summer conditions and the second one to winter conditions.

**Announcement:** *Home Service:* "Lisboa – Emissora Nacional a trabalhar com os emissôres de . . . (Lisboa I, Lisboa II, Porto, Coimbra, Faro) e as estaçoes de Ondas Curtas em . . .". – *Overseas Service:* "Aqui Lisboa –Estaçao de Ondas Curtas da Emissora Nacional a trabalhar nos comprimentos de onda de . . . nas frequências de . . .".

**Interval Signal:** Gong. **Verification** by QSL-card or letter.

### PRIVATE STATIONS (Commercial)

**RADIO RENASCENÇA**

**Address:** Emissora Católica Portuguesa, Rua Capelo. 5, Lisbon.

**Leading Personalities:** Director Mr. Manuel Lopes da Cruz. Cooperators Father Domingos de Oliveira Costa Maia and Father Waldmiro Leal.
**Stations: Radio Renascença.**

| | | | |
|---|---|---|---|
| Lisbon | 1286 kc/s | 233 m | 2 kW |
| Lisbon | 1169 kc/s | 256.6 m | 1 kW |
| Porto | 6154 kc/s | 48.74 m | 2 kW |

**Daily Programs:** 17.00–23.00 (Sun. also 10.15–12.00).
**Announcement:** *Portuguese:* "Aqui Rádio Renascença. Emissora Católica Portuguesa". *English:* "This is the Portuguese Roman Catholic Broadcasting System".
**Interval Signal:** Gong. – All transmissions open with a religious choir.

**RADIO CLUBE PORTUGUES, PAREDE**
**Leading Personalities:** Director A. Lima Basto.
**Stations:** Parede.

| | | | |
|---|---|---|---|
| CSB2 | 1034 kc/s | 290 m | 20 kW |
| CSB51 | 12865 – | 23.32 – | 10 – |

**Daily Programmes** in *Portuguese* on 290 m and 23.32 m, 11.45–14.00 (Sund. 14.30) and 19.00–24.00.
**Announcement:** Rádio Club Português-Parade-Portugal.
**Verification** by QSL-card.

**LOCAL STATIONS**

| | kc/s | m | kW | |
|---|---|---|---|---|
| Lisbon | 1594 | 188 | 0.5 | Radio Peninsular |
| Porto | 1602 | 187 | 1 | Emissores Norte Reunidos |
| Porto | 1562 | 192 | 5 | Portuense Radio Club |
| Angra do Heroismo | 1484 | 202 | 0.5 | Radio Club de Angra |
| Aeroporto Santa Maria | 1594 | 188 | 0.1 | Radio C. do Aeroporto |
| Funchal | 1484 | 202 | 1 | Radio C. da Madeira |
| Funchal | 1594 | 188 | 0.5 | Radiodifusão do Funchal |
| 12 low power stations | 1594 | 188 | 0.15 | |
| | 1602 | 187 | | |

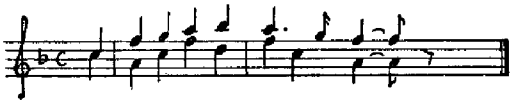
## RUMANIA

**Address:** Societatea Romana de Radiodifuziune, Bucuresti II, Strada A. St. Popov No. 41.
**Leading Personality:** President Mr. Matei Socor.
**Stations:**

| | | | |
|---|---|---|---|
| Romania (Brasov) | 155 kc/s | 1935 m | 150 kW |
| Temisoara | 556.4 – | 559.7 – | 50 – |
| Bucarest I | 854 – | 351.3 – | 150 – |
| Bucarest II | 1052 – | 285.1 – | 5 – |
| Foscani | 1052 – | 285.1 – | 5 – |
| Baja | 1151 – | 260.9 – | 5 – |
| Cluj | 1151 – | 260.9 – | 20 – |
| Orudea | 1151 – | 260.9 – | 5 – |
| Craiova | 1457 – | 205.2 – | 20 – |

**Short Waves:** Bucarest, Romania Libera.
6210 kc/s 48.31 m 5 kW – 9054 kc/s 33.10 m 4 kW
11900 kc/s 25.21 m 0.075 kW

**DAILY PROGRAMS:**
**Brasov and Bucarest I:** *Weekdays:* 04.00–06.00, 10.30–13.30, 16.00–22.00. *Sun.:* 05.30–22.00.
**Bucarest II:** *Weekdays:* 11.00–21.00. *Sun.:* 05.30–11.00, 16.00–21.00.
**Timisoara:** 10.00–11.00, 18.00–20.00.
**Short Waves:** 11.45–12.00, 18.30–21.30. News and Commentaries in Greek, Serbo-Croat, Russian, German, English and French.
**Announcement:**
*Radio Romania Liberia:* "Here is the Free Roumania broadcasting station "Radio România Libera" and the Roumanian short wave stations" — "Free Roumania broadcasting station "Roumânia Libera" and the Roumanian short wave station calling listeners everywhere on 25.21, 33.10 and 48.31 metres."
**Interval-Signals:** Radio Romania and Bucarest I: The first 8 notes of "Imnul Romaniei Libere" (Free Rumania Hymn).
Radio Romania Libera:



**Verification** by QSL letter.

## SPAIN

**Population:** 28.000.000. **Licensed Listeners:** 1.500.000.

**DIRECCIÓN GENERAL DE RADIODIFUSIÓN**
The Dirección General de Radiodifusión is the central authority for broadcasting in Spain, but does not operate stations of its own.
**Address:** Montesquinza No. 2, Madrid.
**Leading Personalities:** Director General Mr. Don Alfredo Guijarro Alcocer. Sub-Director General Mr. Don Gines de Albareda Herrera. Secretary General Mr. Don Valentin Perez Carasa.

**RADIO NACIONAL DE ESPANA.**
**Address:** Juan Bravo 6, Madrid, for letters regarding technical matters. – Lopez de Hoyos 6, Madrid, for letters regarding broadcasts to Spain and South America. –Martinez de la Rosa 1, Madrid, for letters regarding broadcasts in foreign languages.
A program bulletin in Spanish and English (separate edition) entitled "Radio Nacional de Espana, Sintesis General de Programas y Emissiones", is published monthly and is sent free on request.
**Leading Personalities:** Director of Programs and Broadcast Mr. Don Enrique Thomas de Carranza. Director of Programs for Spain Mr. Don Jose Boeta. Director of Programs in Foreign Languages Mr. Don L. Andres. Chief-Engineer Mr. Don L. Guijarro Alcocer.
**Stations:**

| *Medium Waves:* | kc/s | m | kW |
|---|---|---|---|
| La Coruña | 968 | 309.9 | 20 |
| Madrid Arganda | 1022 | 293.5 | 120 |
| Madrid Local | 1022 | 293.5 | 5 |
| Barcelona | 1200 | 250.0 | 5 |
| Malaga | 1315 | 228.6 | 8 |
| Valencia | 1385 | 216.5 | 5 |
| Huelva | 1485 | 201.9 | 0.16 |
| Cuenca | 1500 | 200.0 | 0.2 |
| *Short Waves:* | | | |
| Malaga | 7012 | 42.77 | 2 |
| Madrid | 9368 | 32.02 | 40 |
| Madrid | 15635 | 19.18 | 40 |

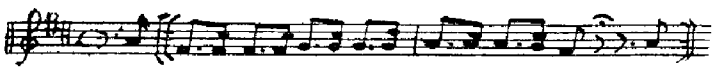
**HOME SERVICE.**
**Daily Programs** on 293.5 m: 07.00–10.00, 12.00–24.00 *News* in Spanish: 07.15, 07.45, 08.15, 13.30, 18.00, 20.45, 23.15. *News* at 13.30 and 20.45 are relayed by all Spanish stations.
*Relay Vatican Radio:* Tues. 20.00. – *Symphony Concert:* Tues. 21.30. – "*Zarzuela*" (Spanish Operette): Thurs. 21.30. – *Variety Show for Students:* Thurs. 19.30. – *Opera:* Fri. 21.30. "*Fiesta en el Aire*": Sat. 21.30.–

**Regional Stations:**
La Coruña on 309.9 m: 13.00–15.00, 19.00–23.30.
Valencia – 216.5 m: 11.15–15.30, 17.30–24.00.
Cuenca – 200.0 m: 13.30–15.00, 20.00–24.00.
Malaga on 228.6 m and 42.77 m: 13.00–15.00, 19.00–24.00.

**OVERSEAS SERVICE.**
**European and African Service on 9368 kc/s:**

| | |
|---|---|
| 17.15 Slovak (Mo. Wed. Fri.) | 19.30 Polish |
| 17.30 Italian | 20.00 Hungarian |
| 17.45 Roumanian | 20.15 English |
| 18.00 German | 20.45 Spanish |
| 18.20 Russian | 21.45 Arabic |
| 19.00 French | |

**North American Service on 9368 kc/s:**
23.00–23.40 English program entitled "The Voice of Spain". *Sunday:* "Round the World in Forty Minutes", request and mailbag program.
**South American Service:**
On 15635 kc/s: 16.30–17.00 in *Spanish.*
On 9368 kc/s: 21.15–21.45 in *Portuguese* for Brazil.
23.45–03.00 in *Spanish. News:* 23.50, 01.30, 02.30.
**Philippine Service on 9368 kc/s:**
22.15–22.45 in *Spanish.*
The programs in the Overseas Service consist of news of Spanish affairs, music, commentaries, talks and interviews with important Spanish and foreign personalities.
**Announcement:** "Radio Nacional de España, Madrid" in different languages except for North American Service: "The Voice of Spain".
**Interval-Signal:** Gong and the following tune:



**Future Plans:** A 5 kW m.w.-transmitter under construction in Sevilla. In Madrid four 100 kW s.w.-transmitters under construction for Overseas Service. A F. M.-station on 93 mc/s and a television station under construction.

**SOCIEDAD ESPANOLA DE RADIODIFUSIÓN.**
**Address:** Avenida de José Antonio 32, Madrid.
**Leading Personalities:** Director Mr. Don Virgilio Oñate. Director of Programs Mr. Don Manuel Aznar.
**Stations:**

| | | | | |
|---|---|---|---|---|
| Madrid EAJ7 | 686 kc/s | 437.3 m | 15 | kW |
| Sevilla | 731 – | 410.4 – | 5 | – |
| Barcelona EAJ11 | 795 – | 377.4 – | 10 | – |
| S. Sebastian | 1068 – | 274.0 – | 1.5 | – |
| Bilbao | 1145 – | 262.0 – | 2.5 | – |
| Valencia | 1258 – | 238.5 – | 5 | – |
| Mallorca | 1435 – | 209.0 – | 0.2 | – |
| Galicia | 1447 – | 207.3 – | 0.15 | – |
| Alicante | 1447 – | 207.3 – | 0.1 | – |
| Alcira | 1492 kc/s | 201.1 m | 0.1 | kW |
| Reus | 1500 – | 200.0 – | 0.2 | – |

*Associated Stations*

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Castilla | 1447 | 207.3 | 9 | Murcia | 1492 | 201.1 | 0.2 |
| Granada | 1447 | 207.3 | 1 | Valladolid | 1492 | 201.1 | 0.2 |
| Jaen | 1450 | 207.0 | 1 | Castellón | 1500 | 200.0 | 0.35 |
| Albacete | 1492 | 201.1 | 0.4 | La Coruña | 1500 | 200.0 | 0.2 |
| Badajoz | 1492 | 201.1 | 0.6 | | | | |

Radio Inte rnacional: See Tangier.

**Daily Programs** *in Spanish:*
*Madrid on 437.3 m:* 12.00–24.00.
*Sevilla on 410.4 m:* 12.00–14.30, 19.00–24.00. – *Barcelona on 377.4 m:* 12.00–24.00.
**Radio Mediterraneo de Valencia.**
**Address:** Avenida Marques de Sotelo 2, Valencia.
**Leading Personalities:** Director Mr. Don V. G. Torres. Technical Director Mr. Don T. Mayalis Marco.
**Station:** Valencia 7037 kc/s 42.63 m 1 kW.
**Daily Programs:** 12.00–15.00, 19.00–23.00.
**Announcement:** "Radio Mediterraneo de Valencia, Emisora de la Sociedad Española de Radiodifusión". At opening is played the march "Hacia Valencia" and on closing down "Marcha de la Ciudad".

**COMPANIA DE RADIODIFUSIÓN INTERCONTINENTAL.**
**Address:** Diego de León, 50, Madrid. *Cable:* "Ondatlantic".
**Leading Personalities:** Director Mr. Don Valentin Ruiz Senen. Sub-Director Mr. Don M. Locatelli. Program Director Mr. Don Paul Sablk.
**Stations:**
Madrid 917 kc/s 327.2 m 10 kW
**Associated Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Asturias | | | | Cadiz | 1500 | 200.0 | 0.2 |
| (Oviedo) | 1258 | 238.5 | 0.3 | León | 1500 | 200.0 | 0.2 |
| Valencia | 1447 | 207.3 | 0.2 | Lugo | 1500 | 200.0 | 0.2 |
| Cordoba | 1450 | 207.0 | 0.2 | Onteniente | 1500 | 200.0 | 0.5 |
| Gijón | 1492 | 201.1 | 0.2 | Pontevedra | 1500 | 200.0 | 0.2 |
| Linares | 1492 | 201.1 | 0.2 | Salamanca | 1500 | 200.0 | 0.2 |
| Vigo | 1492 | 201.1 | 0.2 | Segovia | 1500 | 200.0 | 0.2 |
| Algeciras | 1500 | 200.0 | 0.2 | Toledo | 1500 | 200.0 | 0.2 |
| Almería | 1500 | 200.0 | 0.2 | | | | |

*R. Afrika:* See Tangier. *R. Andorra:* See Andorra.
*R. Atlántico* See Spanish Guinea.
**Daily Programs Madrid:** 13.00–16.00, 18.00–24.00.
**Announcement:** At opening and closing down is played the pasodoble "Nino de Jerez" followed by "Aqui Madrid, Radio Intercontinental".

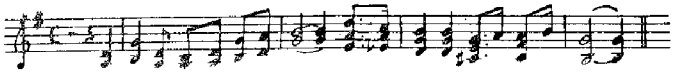
**"RADIO ESPANA"**
**Addresses:** Rambla de los Estudios, 8 Barcelona. – Manuel Silvela, 9 Madrid.
**Leading Personalities:** Director in Barcelona Mr. Alfonso Banda. – Director in Madrid Mr. Luis Caceres.
**Stations:**
Madrid EAJ2 758 kc/s 395.8 m 3.5 kW
Barcelona 1123 – 267.1 – 1.0 –
**Daily Programs:**
*Barcelona:* 12.30–15.00, 17.00–18.30, 19.30–23.00
*Madrid:* 12.30–15.00, 18.00–23.30

**SINDICATO ESPANOL UNIVERSITARIO.**
**Address:** Diego de Leon 49, Madrid. Cable: Radio S.E.U.
**Leading Personalities:** Director Anibal Arias Ruiz,
**Stations:**
Radio S.E.U. Madrid 7171 kc/s 41.84 m 1 kW
**Daily Programs:** *Weekdays:* 18.00–24.00. *Sun.:* 13.00–17.00, 18.00–24.00.
*In Spanish: Listeners' Mail:* Sun. 16.30. – *Sala de Fiestas:* Sun. 15.00. – *Listeners' Requests:* Sun. 22.00. – *Dance Music:* Sun. 19.30. – *Bullfight commentary:* Sun. 20.30.
*In Foreign Languages:* Portuguese: Sun. 14.30. French: Mo. 19.30. German: Tues. 19.30. Greek: Wed. 19.30.

Arabic: Thurs. 19.30. English: Fri. 19.30. Italian: Sat. 19.30.
**Announcement:** "Radio SEU, Madrid" or "Emisora Nacional del Frente de Juventudes de España" or "Estacion Escuela num. 1, Radio SEU, Madrid". At opening the march "Juventud Española" and on closing down the march "Prietas las Filas" and National Anthem.
**Interval-Signal:** Gong. – **Verification** by QSL-card.

**COMPANIA ARAGONESA DE RADIODIFUSION**
**Address:** Radio Zaragosa, Cia. Aragonesa de Radiodifusion, Zaragosa.
**Leading Personalities:** President Dr. Jesus Muro Sevilla. Chief Engineer Don Julio Bayona. Manager Don Angel Bayod Uson. Programme Director Sr. Don José Perlado Cadaviero.
**Stations:**
Zaragosa 850 kc/s 352.9 m 30 kW
**Daily Programs:** 08.00–09.00, 12.00–14.30, 18.00–23.00.
*News:* 12.50, 13.30 (Relay R. N. E.), 20.45 (Relay R. N. E.).

**LA VOZ DE LA FALANGE.**
**Address:** Alcaeá 44, Madrid.
**Leading Personalities:** Director Senor T. Delgado. Editor in Chief Mr. M. Rojas. Chief-Engineers Mr. F. Urbina and J. Porea. Programme Director D. Porres. – Artistic Director C. Barber. – Chief of Music Dept. G. Arenas and R. Conteras. – Foreign Representatives United Kingdom Kenneth M. Dobeson, London. – France Michel Soupault, Paris 62.
**Station:** Madrid 7380 kc/s 40.65 m 1 kW
**Daily Programs:** 19.00–20.30, 22.00–00.30.
*Political Commentary:* Weekdays 22.15, Sun. 23.00. – *Football Commentary:* Sun., Mo. 19.30. *International Commentary:* Thurs. 23.00. – *Bullfight Commentary:* Fri. 19.30.
**Announcement:** "Esta Emisora es 'La Voz de la Falange"
**Interval-Signal:** A few bars of the "Cara al Sol", at the beginning of every broadcast.



At opening: "A la voz del capitan". On closing: Falange anthem. **Verification** by QSL-letter.

**RADIO FALANGE DE ALICANTE.**
**Address:** Angel Lozano, 20 (Entlo), Alicante.
**Leading Personalities:** Director Sr. Don Bartolomé Cardoa. Program Director Sr. Don Alfredo Marciel.
**Station:** Alicante 7940 kc/s 37.78 m 0.75 kW.
**Daily Programs:** 11.00–15.00, 18.00–23:30.
*Nightclub:* Daily 23.00. – *Bullfight Review:* Mo. 21.30. – *National Comedy:* Tues. 21.30. – *Symphony:* Thurs. 21.30.
**Announcements:** At opening the march "Heroina" followed by "Radio Falange de Alicante, Colaborador de la Compania de Radiodifusión Intercontinental". – **Verification** by QSL-card.

**RADIO FALANGE DE VALLADOLID.**
**Address:** Santiago 2, Valladolid.
**Leading Personality:** Director Mr. Don C. Alvarez.
**Stations:** Valladolid 1300 kc/s 230.7 m 0.5 kW
7006 – 42.83 – 0.5 –
**Daily Programs:** 12.30–14.30, 20.00–23.00.
*Bullfight Commentary:* Tues. 22.00. – *"The Voice of the Falange":* Wed. 22.00. – *Variety:* Fri. 22.00.
**Announcement:** "F.E.T.1 Radio Falange de Valladolid".
**Interval-Signal:** Strokes on multi-note gong.

**RADIO ALERTA.**
**Address:** Plaza de Tetuan 3, Valencia.
**Leading Personalities:** Director Sr. Don José M. Póveda Ariño. Sub-Director Sr. Don Rafael Martinez Molina.
**Station:** 7283 kc/s 41.20 m 0.2 kW
**Daily Programs:** 19.30–20.30, 21.30–23.00.
In Spanish, German, Italian and English. – *Symphony:* Thurs. 22.05. – *International Commentary:* Mo. 22.15.
**Announcement:** "Transmite Radio Alerta, Emisora local de la Guardia de Franco". At opening and closing down the "Cara al Sol" march.
**Future Plans:** A new m.w. and s.w. transmitter (power 0.5 kW each) will be ready in 1951.

**RADIO FALANGE DE OVIEDO.**
**Address:** Asturias 15, Oviedo.
**Stations:** Oviedo 0.25 kW
1428 kc/s 210.0 m – 7230 kc/s 41.50 m.
**Daily Programs:** 11.00–14.00, 19.00–23.00. On short wave only Sundays.

**BALEARIC ISLANDS.**
**Radio Minorca.**
**Address:** Delagación Insular del Frente de Juventudes, Mahón, Islas Baleares.
**Leading Personalities:** Director Sr. Don Benito Sintes.
**Station:** Minorca 7550 kc/s 39.74 m 0.1 kW
**Daily Programs:** 18.00–22.30.
**Radio Mallorca.**
**Address:** Radio Mallorca, Calle de la Paz no. 15, Palma de Mallorca. *Cable:* Radio Mallorca.
**Leading Personalities:** President Sr. Don Antonio Garrigues. Secretary Don José Fuster.
**Station:** Mallorca 1492 kc/s 201.1 m 0.2 kW.
**Daily Programs:** 12.00–14.30 (Sun. 16.00), 19.00–22.30 (Mo. 23.30).
**Note.** Reports to Spanish Stations may be sent direct to the individual stations or through Mr. K. M. Dobeson, BM/EABC, London W.C.1, England, who will forward them to the appropriate stations. I.C.R. appreciated, but not essential (I.C.R.s are not valid in Spain).

## SWEDEN

**Population:** 7.000.000. **Licensed Listeners:** 2.128.515.
**Address:** A/B. Radiotjänst, Stockholm 7.
**Leading Personalities:** Director General Mr. Elof Ehnmark. Director of Music Mr. Natanael Broman. Director of Talks Mr. Nils-Olof Franzén. Director of Drama Mr. Grevenius. Director of News and Special Events Mr. Henrik Hahr. Director of Administration Mr. Erik Mattsson. Technical Director Mr. Johan von Utfall. Director of Publications Department Mr. Manne Ginsburg.
**Stations:**

| *Medium Waves:* | kc/s | m | kW |
|---|---|---|---|
| Luleå | 182 | 1648.4 | 10 |
| Motala | 191 | 1570.7 | 200 |
| Östersund | 420 | 714.3 | 10 |
| Sundsvall | 593 | 505.9 | 150 |
| Malmberget | 719 | 417.2 | 0.2 |
| Stockholm | 773 | 388.1 | 55 |
| Gothenburg | 980 | 306.1 | 10*) |
| Hörby | 1178 | 254.7 | 100 |
| Falun | 1223 | 245.3 | 100 |

| | | | |
|---|---|---|---|
| Kiruna | 1358 kc/s | 220.9 m | 0.2 kW |
| Eskilstuna | 1394 | 215.2 | 0.5 |
| Hälsingborg | 1394 | 215.2 | 0.5 |
| Jönköping | 1394 | 215.2 | 0.2 |
| Kristinehamn | 1394 | 215.2 | 0.2 |
| Säffle | 1394 | 215.2 | 0.4 |
| Trollhättan | 1394 | 215.2 | 0.25 |
| Uppsala | 1394 | 215.2 | 0.5 |
| Varberg | 1394 | 215.2 | 0.2 |
| Visby | 1394 | 215.2 | 0.5 |
| Gävle | 1448 | 207.2 | 0.5 |
| Hudiksvall | 1448 | 207.2 | 1.0 |
| Örnsköldsvik | 1448 | 207.2 | 0.5 |
| Karlskrona | 1529 | 196.2 | 0.5 |
| Porjus | 1529 | 196.2 | 0.075 |
| Umeå | 1529 | 196.2 | 1.0 |
| Borås | 1562 | 192.1 | 2.0 |
| Halmstad | 1562 | 192.1 | 2.0 |
| Kalmar | 1562 | 192.1 | 2.0 |
| Karlstad | 1562 | 192.1 | 0.25 |
| Malmö | 1562 | 192.1 | 2.5 |
| Norrköping | 1562 | 192.1 | 0.25 |
| Uddevalla | 1562 | 192.1 | 0.05 |
| Örebro | 1562 | 192.1 | 0.5 |

*) to be increased to 150 kW.

*Short Waves Motala 12kW:*

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| SBO | 6065 | 49.46 | SBP | 11705 | 25.63 |
| SBU | 9535 | 31.46 | SBT | 15155 | 19.80 |
| SDB2 | 10780 | 27.83 | | | |

### HOME SERVICE

**DAILY PROGRAMS:**

*Weekdays:* 05.15–14.00, 15.30–22.30. *Sun.:* 06.50–22.30. *News:* (W=Weekdays). 05.30 (W), 07.00, 11.30, 18.00, 21.15. The News are followed by weather-forecasts. Weather Forecast for Swedish Waters daily: 15.30.

*Morning Music:* Weekdays 05.45. – *Hour of Devotion:* Weekdays 06.40. – *Home Magazine:* Thurs. 07.15. – *Music while you work:* Tues. 09.40–11.00, Fri. 09.00–11.00. – *Recorded Concert:* Sun. 09.00. – *Divine Service:* Sun. 10.00. – *School Broadcasts:* Mo. Thurs. 07.45, Tues. Fri. 08.00, Ved. 07.15. – *Light Music:* Weekdays 11.10. – *English Course:* Wed. 17.35–17.55 – *French Course:* Thurs. 21.30–22.00. – *Spanish Course:* Sun. 07.45.

Radio Sweden: *Arne Skoog*, Editor of Sweden Calling DX'ers; every Saturday at 07,15 and 15,15 and Sundays at 01,15 G.M.T.

**Announcement** (National Program): "Sveriges Radio. . ." and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm".

### EUROPEAN AND OVERSEAS SERVICE

00.00–01.30 on 6065, 10780 07.30–15.15 on11705, 15155
05.15–07.30 – 6065, 10780 15.15–17.55 – 10780, 15155
07.15–07.30 – 6065, 10780 17.55–22.30 – 6065, 10780
18.30–19.00 on 10780 only

*News:* In *English:* Daily 18.45. In *French:* Sun. 18.30. In *German:* Weekdays 18.30.

*Over to Sweden. English and Swedish:* Daily 00.00–01.00.

*Sweden To-Day (News Feature). English:* Daily 01.00–01.15, 12.15–12.30. During the winter months 13.15-13.30.

*Program Preview. English:* Daily 07.30.

*The National Program. Relay:* 05.15–07.30, 07.30–23.00.

*Youth Meeting on the Air. English:* Sun. 07.15, Sun. 15.15, Mo. 01.15.

*Esperanto:* Mo. 07.15, 15.15, Tues. 01.15.

*Economic Survey. Swedish:* Tues. 07.15, 15.15, Wed. 01.15.

*Calling Swedish Seamen. Swedish:* Wed. 07.15, 15.15, Thurs. 01.15.

*For Missionaries. Swedish:* Thurs. 07.15, 15.15, Fri. 01.15.

*Press Survey. Swedish:* Fri. 07.15, 15.15, Sat. 01.15.

*Sweden Calling DX'ers. English:* Sat. 07.15, 15.15, Sun. 01.15.

**Announcement:** "This is Radio Sweden, The International Service of the Swedish Broadcasting Corporation".

**Interval Signal:** The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren".

**Verification** by verification-card. Special questions by letter. Reports can be addressed to DX-Editor, Radio Sweden, Stockholm 7, Sweden.

## SWITZERLAND

**Population:** 4.650.000. **Listeners:** 1.015.000.

**Addresses:** *Schweizerische Rundspruchgesellschaft*, Société Suisse de Radiodiffusion, Swiss Broadcasting Corporation, Neuengasse 30, Berne.

*Schweizerische Kurzwellendienst*, Service suisse des Ondes courtes, Swiss Shortwave Service, Neuengasse 23, Berne. *Radio-Zürich*, Brunnenhofstrasse 20, Zürich. – *Radio Berne*, Schwarztorstrasse 23, Berne. – *Radio-Basel*, Novarastrasse 2, Basel. – *Radio-Lausanne*, Maison de la Radio, La Sallaz, Lausanne. – *Radio-Genéve*, 66, Boulevard Carl Vogt, Genéve. – *Radio-Lugano*, Campo Marzio, Lugano.

**Leading Personalities:** Director General of S.B.C., Mr. Marcel Bezençon. Head of Administration and Deputy Director-General Mr. Georges Conus. Chief of Swiss Shortwave Service, Mr. Paul Borsinger.

*Managers of the Regional Sections: Beromünster:* Studio Zürich, Dr. Jakob Job, Studio Berne, Dr. Kurt Schenker. Studio Basel, Dr. Fritz Ernst. *Sottens:* Studio Lausanne, Mr. Jean Pierre Méroz. Studio Genéve, Dr. René Dovaz. *Monte Ceneri:* Studio Lugano, Dr. Stelio Molo.

Switzerland Radio Sweden Arne Skoog

The Swiss Short Wave: *Isabelle Jutzeler*, announcer-operator of the Swiss Short Wave Service, compère of the »Soirée Romande«, a weekly programme for the French speaking Swiss abroad.

**STATIONS:**

**Medium Waves**

| | | | | |
|---|---|---|---|---|
| Beromünster | 529 kc/s | 567.1 m | 150 | kW |
| Monte Ceneri | 557 – | 538.6 – | 50 | – |
| Saviése[2]) | 719 – | 417.2 – | 0.1 | – |
| Sottens | 764 – | 392.6 – | 150 | – |
| Chur[1]) | 773 – | 388.1 – | 0.1 | – |
| Sool[1]) | 1142 – | 262.7 – | 0.1 | – |

[1]) Relay Beromünster. [2]) Relay Sottens.

**Schwarzenbourg: Short Waves:**

HER3, HER4, HER5, HEU3 = 100 kW.
HER6, HER7, HER8, HEI 5 = 25 –

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| HER3 | 6165 | 48.66 | HER5 | 11865 | 25.28 |
| HER4 | 9535 | 31.46 | HER6 | 15305 | 19.60 |
| HEU3 | 9665 | 31.04 | HER7 | 17784 | 16.87 |
| HEI5 | 11715 | 25.61 | HER8 | 21520 | 13.94 |

**HOME PROGRAMS**

**Daily Programs from Beromünster in German:**

*Weekdays* (W): 05.15–06.10, 10.00–13.30, 15.00–22.00.
*Sat.:* 05.15–06.10, 10.00–22.00.
*Sun.:* 05.55–06.45, 08.00–21.30.
*News:* 05.15 (W), 06.00, 11.30, 18.30, 21.00.
*Program Preview:* 06.05. – *World Chronicle:* Fri. 18.10. – "*Die Woche im Bundeshaus*": Sat. 12.10. – "*Die Stunde für das Land*": Sun. 12.30. – *Weekly Review for Swiss Abroad:* Mo. 21.05. – *Symphony Concert:* Tues. 19.00. – *Play:* Thurs. 19.00. – "*Bunter Abend*": Sat. 19.00.

**Daily Programs from Sottens in French:**

*Weekdays:* 06.10–06.40, 10.00–13.00 (Sat. 15.30), 15.30–22.00. *Sun.:* 06.10–06.40, 07.45–22.00.
*News:* 06.15, 11.45, 18.15, 21.30.
*Program Preview:* 18.10. – *Music:* 06.10, 06.20, 11.15. – *Play:* Tues. 19.30. – *Symphony:* Wed. 19.30.

**Daily Programs from Monte Ceneri in Italian:**

*Weekdays:* 06.00–06.45, 10.00–13.00, 15.30–22.00 (Sat. 23.00). – *Sun.:* 06.00–06.30, 09.00–22.00.
*News:* 06.15, 11.30, 18.15, 21.15.
*Program Preview:* 18.20. – *Play:* Mo. 19.10. – *Symphony:* Thurs. 19.50.

**EUROPEAN AND OVERSEAS SERVICE OF SCHWARZENBURG.**

**To Europe** in German, French, Italian on HER3, HER4 and

**To Africa** (The European program is beamed to Africa) from 05.15 (Sun. 05.55)–06.40 HER6 – 10.00–12.30 HER8 – 15.00–22.00 HER6.

*Weekdays:*

| | | | |
|---|---|---|---|
| 05.15–06.40 | German | 17.30–17.40 | Italian |
| 10.00–11.15 | Various | 17.40–18.30 | French |
| 11.15–11.45 | German | 18.30–21.30 | German |
| 11.45–13.30 | French | 19.00–21.05 | French Mo. |
| 13.00–15.00 | French | 19.00–21.30 | French Tues. Wed. |
| | (Sat. only) | 21.30–21.35 | French |
| 15.00–17.30 | Various | 21.35–22.00 | German |

*Sundays:*

| | | | |
|---|---|---|---|
| 05.55–06.15 | German | 16.00–17.30 | Italian |
| 06.15–06.40 | French | 17.30–18.30 | French |
| 08.00–10.15 | German | 18.30–19.00 | German |
| 10.15–11.15 | Italian | 19.00–21.30 | Various |
| 11.15–11.45 | German | 21.30–21.35 | French |
| 11.45–16.00 | French | 21.35–22.00 | German |

*News:* 05.15, 06.00, 06.15, 11.15, 18.15, 21.30, 21.50.
*Relay of Home Programs:* Weekdays 10.00–11.15, 12.00–13.30, 15.00–17.30. Sun.: 19.00–21.30. – "*Presseschau*": Daily 11.20. – "*Echo der Zeit*": Daily 18.40–19.00. – *Symphony:* Wed. 19.00–21.30. – "*Auslandschweizerchronik*": Mo. 21.05. – *Program Preview:* Daily 21.30–21.55. "*Der bunte Abend*": Sat. 19.00–21.30.

**To Australia, New Zealand, Far East. English. HER5, HER7, HER8.** 07.15–09.45.
*07.45* Musical Scrap Book (Sat.). – *08.00* Swiss Concert Hall (Sun.), Dancing in Switzerland (Mo.), The Swiss and their Music (Wed.), "Serata Ticinese" (Thurs.), "Schwizerdütsche Heimtaobe" (Sat.).

**To Japan, South-East Asia. English. HER5, HER6, HER7.** 12.45–14.30.
*13.15* Musical Scrap Book (Sat.). – *13.30* Swiss Concert Hall (Sun.), Dancing in Switzerland (Mo.), The Swiss and their Music (Wed.), "Serata Ticinese" (Thurs.), Schwizerdütsche Heimatobe (Sat.).

**To India, Pakistan. Englihs HER.5, HER7.** 14.45–16.30.
*15.15* Musical Scrap Book (Sat.). – *15.30* Swiss Concers Hall (Sun.), Dancing in Switzerland (Mo.), The Swist and their Music (Wed.), "Serata Ticinese" (Thurs.), Schwizerdütsche Heimatobe (Sat.) "Soirée Romande" (Tues.).

**To Middle East. English. HER5, HER7.** 16.45–18.30.
As for India, Pakistan.

**To United Kingdom, Ireland. English. HEU3, HER5.** 18.45–20.30.
*19.15* Musical Scrap Book (Fri.). – *19.30* Swiss Concert Hall (Sun.), The Swiss and their Music (Tues.), "Serata Ticinese" (Wed.), "Schwizerdütsche Heimatobe" (Fri.), Dancing in Switzerland (Sat.). "Soirée Romande" (Mo.).

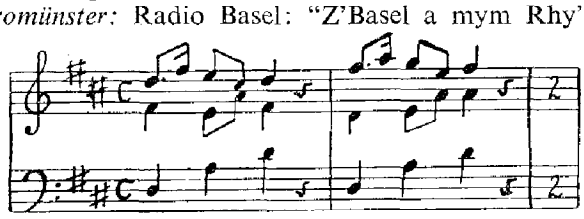
**To Spain, Portugal, in Portuguese and Spanish. HEU3, HER5.** – 20.45–22.15.
*21.00* The Swiss and their Music (Tues.), "Serata Ticinese" (Wed.), "Schwizerdütsche Heimatobe" (Fri.).

**To North America. English. HER3, HER4, HER5.** 22.30–23.15.
*Musical Scrap Book:* Fri. 23.00, 02.00, 03.45. – 02.15 Concert Hall (Sun.), The Swiss and their Music (Tues.), "Serata Ticinese" (Wed.), "Schwizerdütsche Heimatobe" (Fri.).

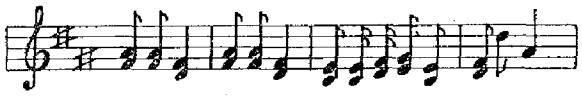
**To South America in Spanish, Portuguese. HEU3- HEI5**

Isabelle Jutzeler Switzerland

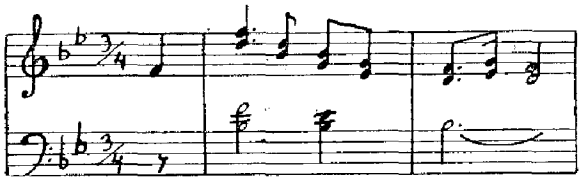
**HER5.** 23.30–01.00. *News in Portuguese* 23.30. *The Swiss and their Music (Spanish)* Tues. 23.45.
**To North America. English. HER3, HER4, HER5.** 01.30–04.00.
**Interval Signal:**
*Beromünster:* Radio Basel: "Z'Basel a mym Rhy"



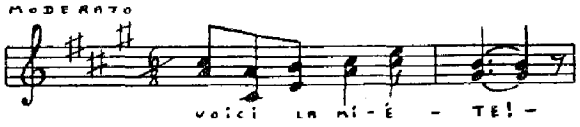
Radio Bern: "D'Zyt isch do"



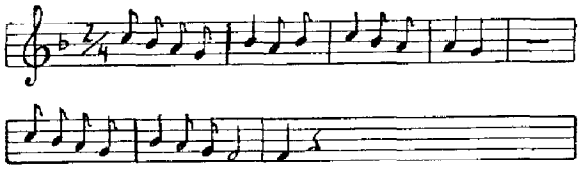
Radio Zürich: "Chum Bueb und lueg dis Ländli a"



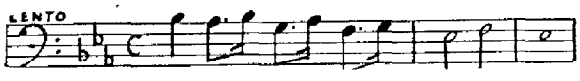
*Sottens:* Radio Lausanne: "Voici l'ami été"




Radio Genève: "Quelle fatale journée"
chanson de l'Escalade



*Monte Ceneri:* "Campane delle Chiesa di Pazzalino"



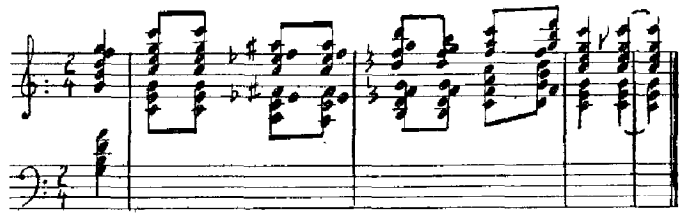

*Schwarzenburg:* "Lueget vo Berg und Thal"

**Verification** by QSL card. Write to SWISS SHORT-WAVE SERVICE,Neuengasse 23, Berne, Switzerland, and we will send your our detailed and illustrated program schedule.

**UNO BROADCASTING FROM GENEVA**
**Address:** United Nations Radio c/o Director of Information Center, European Office of the United Nations, Genève.
**Stations:** HBQ Geneva 20 kW.
18450 kc/s 16.26 m 6672 kc/s 44.07 m
**Daily Programs:** Weekdays on 6672 kc/s: 18.30 English Bulletin. – 18.40 French Bulletin.
News about international cooperation and about the United Nations from a completely objective source. Comments, criticism and suggestions are always welcome.

## TRIESTE FREE TERRITORY

**Population:** 400.000. **Licensed Listeners:** 48.000.
**Address:** Radio Trieste, Piazza Oberdan N. 5, Post Box N. 460, Trieste FTT. *Cable:* Radio Trieste.
**Leading Personalities:** Director Mr. H. L. Jacobsen. Deputy Director Mr. W. M. Harrison. Chief Engineer Mr. G. Candussi. Administrator Mr. L. Fonda. Technical Adviser Mr. P. I. K. Woodford.
**Stations:**
Radio Trieste I 1142 kc/s 262.7 m 10 kW
Radio Trieste II: 872 – 344 – 2 –
**Daily Programs:**
Trieste I: In *Italian* 06.15–07.30, 10.30–14.00, 16.30–23.00.
Trieste II: In *Slovene* 06.15–07.30, 10.30–13.30, 16.30–23.00.
*News:* In *Italian* 06.30, 12.00, 19.00, 22.10. – In *Slovene* 06.15, 11.45, 18.45, 22.15. –
*Relay of Voice of America: Italian* 16.30–17.00. *Slovene* 17.00–17.15.
**Announcement:** In *Italian* "Questa e Radio Trieste prima". In *Slovene:* "Tukai je Radio Triest postaja dve".
**Interval Signal:** *Trieste I:* Motif of a popular Triestine song played on harp:



## U. S. S. R.

**Address:** Radio Centre, Postbox 787, Moscow.
**Stations:** Medium Waves:
*Moscow I, II, III*
173 kc/s 1734 m 500 kW – 263 kc/s 1141 m 120 kW
872 kc/s 344 m 120 kW
*Leningrad I, II*
236 kc/s 1271 m 100 kW – 800 kc/s 375 m 100 kW
*Kiev I, II*
209 kc/s 1435 m 150 kW – 782 kc/s 384 m 100 kW

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Minsk | 281 | 1068 | 100 | Kichinev | 998 | 301 | 100 |
| Kharkov | 385 | 779 | 50 | Tallinn | 1034 | 290 | 100 |
| Riga | 575 | 522 | 50 | Moghilev | 1106 | 271 | 100 |
| Petrozavodsk | 611 | 491 | 100 | Viborg | 1124 | 267 | 20 |
| Kharkov | 647 | 464 | 100 | Odessa | 1169 | 257 | 150 |
| Vilnus | 665 | 451 | 100 | Madona | 1349 | 222 | 20 |
| Lvov | 935 | 321 | 100 | Kaunas | 1385 | 217 | 150 |

**SHORT WAVES.**
**Moscow.**
*49 m. b.:* 5922, 5955, 5997, 6030, 6040, 6044, 6060, 6090, 6130, 6160, 6190 kc/s.
*41 m. b.:* 7100, 7165, 7200, 7215, 7220, 7225, 7235, 7265, 7270, 7295, 7310, 7330, 7340, 7360, 7611, 7790 kc/s.
*31 m. b.:* 8760, 8810, 9045, 9435, 9480, 9500, 9530, 9540, 9565, 9600, 9610, 9660, 9670, 9710, 9720, 9740, 9760, 9780, 9785, 9790, 9800, 9880 kc/s.

*25 m. b.:* 11182, 11391, 11560, 11710, 11720, 11740, 11765, 11780, 11790, 11805, 11825, 11830, 11840, 11875, 11890, 11900, 11920, 11950, 11960, 12019, 12059, 12270 kc/s.
*19 m. b.:* 15040, 15100, 15145, 15151, 15156, 15170, 15181, 15210, 15230, 15270, 15280, 15300, 15310, 15320, 15340, 15360, 15390, 15400, 15410, 15440, 15450, 15491, 15510, 15540 kc/s.
*16 m. b.:* 17750, 17840, 17850 kc/s.

**EUROPEAN SERVICE**

**Danish:**
17.00–17.15 in 41–49 m. b. 18.30–19.00 in 31–41–49 m. b.

**Dutch:**
17.30–18.00 in 50–41 m. b. 20.00–20.30 in 49–41 m. b.

**English:**
06.15–06.30 in 49–31–25–19 m. b.
07.15–07.30 in 49–31–25–19 m. b.
17.30–18.00 in 49–41 m. b.
19.00–19.30 in 50–49–41–31–227 m. b.
19.30–20.00 in 49–41–31–227 m. b.
20.30–21.00 in 49–41–31 m. b.
21.30–22.30 in 50–49–41–290 m. b.

**French:**
06.00–06.15 in 49–31–25–19 m. b.
11.00–11.30 in 31–25–19 m. b. (Sun).
11.30–12.15 in 31–25–19 m. b.
13.00–14.00 in 31–25–19 m. b. (Sun.)*)
18.00–18.30 in 49–41–31– m. b.
19.30–20.00 in 50–49–41 m. b.
21.00–21.30 in 50–49–41–31 m. b.
22.00–23.00 in 50–41 m. b. (Sun. Tues. Fri.)*)

**German:**
05.30–06.00 in 49–31–25–19–227 m. b.
09.30–10.00 in 49–31–25–19 m. b.
15.30–16.00 in 49–41–31–25 m. b. (Austria).
16.00–17.30 in 50–49–41–227 m. b.
17.00–17.30 in 49–41–31–25 m. b. (Austria).
18.00–19.00 in 50–41–227 m. b.
19.30–20.00 in 49–1068 m. b. (Austria).
20.00–21.00 in 50–41–227 m. b.
21.00–22.00 in 41–227 m. b. (Sun. Mo. Wed. Fri).*)

**Italian:**
05.45–06.00 in 31–25 m. b. 11.30–12.00 in 25 m. b.
15.30–16.00 in 41–31–25 m. b. (Wed.).
17.30–18.00 in 49–41–31 m.b.
18.30–19.00 in 49–41–301 m. b.
19.30–20.00 in 41 m. b.
20.30–21.00 in 49–41–301 m. b.
21.30–22.00 in 49–41–31 m. b.
22.00–23.00 in 50–49–41 m. b. (Sat.).

**Norwegian:**
17.30–18.00 on 375, 521,7 m.
20.00–20.15 on 290, 375, 521,7 and 41.27 m.

**Spanish:**
20.00–20.30 in 49–41–31 m. b.
21.00–21 30 in 49–41 m. b.
22.00–23.00 in 49–41–31 m. b.

**Swedish:**
17.00–17.30 on 375 m.
19.30–20.00 on 375, 521.7 and 41.27 m,
20.45–21.15 on 290, 375 and 521.7 m.
*) Concert.

**OVERSEAS SERVICE**

**To North America**
23.20–0[illegible]00 in English in 41–31–25–19 m. b.

**To South East Asia:**
14.00–14.45 in English in 31–25–19 m. b.

## VATICAN STATE

**Address:** Stato Citta del Vaticano Stazione Radio Roma.
*Cable:* Vaticanradio.
**Leading Personalities:** General Manager Padre Filippo Soccorsi S.J. Director of Programs Padre E. Perez Garcia.

Vatican Radio: Padre *Enrico Nolan* (left) and Padre *Beato Ambord*, S.J., who often can be heard in the broadcasts.

**Stations:** Radio Vaticano.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1484 kc/s | 202.2 m | 5 kW | | 11685 kc/s | 25.67 m | 25 kW | |
| 1529 – | 196.0 – | 100 – | | 11740 – | 25.55 – | 25 – | |
| 5970 – | 50.26 – | 10 – | | 15095 – | 19.87 – | 25 – | |
| 6190 – | 48.47 – | 25 – | | 15120 – | 19.84 – | 10 – | |
| 7280 – | 41.21 – | 25 – | | 17445 – | 17.19 – | 25 – | |
| 9646 – | 31.10 – | 25 – | | 17840 – | 16.82 – | 25 – | |
| 9660 – | 31.06 – | 25 – | | 21740 – | 13.80 – | 25 – | |

**Daily Programs:**

**Every Sunday at 10.30 on 31.10 m, 50.26 m and 25.55 m:**
Broadcast Mass, celebrated for the intentions of the Holy Father. Music during the Mass. Gospel homily for 15 mins. before Mass, alternately in English, French, German, Spanish and Polish.

**English:**
15.00 *News* on 196, 31.10, 25.55, 19.87 m.
18.15 *Talk* on 196, 50.26, 31.10, 25.55, m.

**Italian:**
13.30 *News* on 202, 196, 50.26, 31.10 m.
19.30 *Talk* on 202, 196, 50.26, 31.10, 25.55 m.
10.30 Sun.: *Mass accompanied by sacred music* on 50,26, 31.10, 25.55 m.
17.00 Fri.: "*Campo di Dio*" *panorama radiofonico di vita cattolica* on 202, 196, 50.26, 48.47 m.
19.30 Sat.: *Religious Dialogue* on 202, 196, 50.26, 41.10, 31.10, m.
10.30 Wed.: *Program to Middle East* on 31.10, 25.55 m.
07.30 Thurs.: *Program to the East* on 16.82, 13.80 m.
07.30 Sat.: *Program to the East* on 16.82, 13.80 m.

**French:**
14.30 *News* on 196, 31.10, 25.55, 19.87 m.
18.45 *Talk* on 196, 50.26, 41.21, 31.10, m.
06.30 Thurs.: *News for Belgian Congo* on 19.87, 16.82 m.

Vatican State Vatican Radio Enrico Nolan Beato Ambord

**German:**
14.45 *News* on 196, 31.10, 25.55, 19.87 m.
19.45 *Talk* on 196, 50.26, 41.41 31.10, m.

**Spanish:**
14.15 *News* on 196, 31.10, 25.55, 19.87 m.
20.00 *Talk* on 50.26, 41.21, 31.10 m.
21.30 Thurs.: *Program to Latin America* on 25.55, 19.87m.

**Portuguese:**
20.30 *News* on 50.26, 41.21, 31.10 m.

**Czech:**
11.30 *News* on 31.10, 19.87 m.
14.00 Tues.: *News* on 196, 31.10, 25.55, 19.87 m.
20.15 *Talk* on 50.26, 31.10, 25.55 m.

**Dutch:**
14.00 Fri.: *News* on 196, 31.10, 25.55, 19.87 m.
19.00 Sun., Thurs.: *News* on 196, 50.26, 41.21, 31.10 m.

**Arab:**
17.30 Sun., Tues., Sat. on 196, 50.26, 31.10, 25.55 m.

**Abyssinian:**
17.45 Thurs. on 202, 196, 50.26, 31.10, 25.55 m.

**Announcement:** In *English:* "Laudetur Jesus Christus, this is the Vatican Radio".
**Opening-Signal:** The bells of St. Peter's.
**Interval-Signal:** Carillon an organ-melody »Christus Vincit«. – **Verification** by letter.

## YUGOSLAVIA

**Population:** 16.000.040. **Licensed Listeners:** 299.025.

**Address:** Office of Information of the Government of the Federal People's Republic of Yugoslavia, Broadcasting Department, Kneza Milosa 7/II, Belgrade.
*For Listeners Letters:* Sekretarijat za radiodifuziju pri Direkciji za Informacije Vlade FNRJ, Kneza Miloza 7/II, Belgrade.

**Leading Personalities:** Director of Office of Information of the Governement of the FPRY Mr. Ivo Sarajci. Chief of Broadcasting Department, Mr. Zmagoslav Pipan, Ing. Director of Radio Belgrade, Mr. Vjekoslav Prpic.

**Stations:**

| | | | | |
|---|---|---|---|---|
| Sarajevo | 611 kc/s | 490.9 m | 20 | kW |
| Belgrade | 683 – | 439.2 – | 150 | – |
| Skoplje | 809 – | 370.8 – | 20 | – |
| Titograd | 881 – | 340.5 – | 20 | – |
| Ljubljana*) | 917 – | 327.1 – | 135 | – |
| Zagreb | 1133 – | 264.7 – | 135 | – |
| Belgrade II | 1268 – | 236.6 – | 20 | – |
| Maribor | 1412 – | 212.4 – | 5 | – |
| Novi Sad | 1412 – | 212.4 – | 2 | – |
| Nis | 1412 – | 212.4 – | 1.5 | – |
| Bitolj | 1412 – | 212.4 – | 1 | – |
| Dubrovnik | 1412 – | 212.4 – | 0.8 | – |
| Krusevac | 1412 – | 212.4 – | 0.5 | – |
| Pristina | 1484 – | 202.1 – | 2 | – |
| Rijeka | 1484 – | 202.1 – | 1.5 | – |
| Osijek | 1484 – | 202.1 – | 0.8 | – |
| Ajdovscina | 1484 – | 202.1 – | 0.8 | – |
| Zajecar | 1484 – | 202.1 – | 0.3 | – |
| Valjevo | 1484 – | 202.1 – | 0.02 | – |
| Varazdin | 1594 – | 188.2 – | 0.5 | – |
| Ljubljana II | 1594 – | 188.2 – | 0.2 | – |

*) under construction.

*Short Waves:* Belgrade 6100 kc/s 49.18 m, 9505 kc/s 31.56 m – 10 kW.

**DAILY PROGRAMS:**

**Radio Belgrade:**
*Weekdays:* 04.00–06.30, 11.00–23.15. *Sun:* 04.30–23.15.
*News:* In Serbo-Croat 04.30, 05.15, 14.00, 16.00, 18.00, 21.00 (relayed by all stations), 23.00.

**Radio Belgrade II.**
*Weekdays:* 05.00–07.00, 13.00–21.00. *Sun:* 06.00–21.00.

**Radio Zagreb.**
*Weekdays:* 04.30–06.30, 12.00–23.00. *Sun:* 04.30–23.00.

**Radio Ljubljana.**
*Weekdays:* 04.00–06.00, 11.00–14.30, 17.00–23.45. *Tues:* 04.00–06.00, 09.30–10.00, 11.00–15.00, 17.00–23.45. *Fri.:* 04.00–06.00, 10.30–23.45. *Sun.:* 06.00–23.45.

**Radio Sarajevo.**
*Weekdays:* 04.25–06.00, 12.55–22.00. *Sun.:* 05.00–08.00, 11.00–22.00.

**Radio Skoplje.**
*Weekdays:* 04.00–06.15, 12.00–22.00. *Sun:* 04.00–08.00, 12.00–22.00.

**Radio Titograd.**
*Weekdays:* 04.30–06.00, 16.00–22.15. *Sun:* 05.30–07.00, 15.30–22.15.

**ON SHORT WAVES (News)**

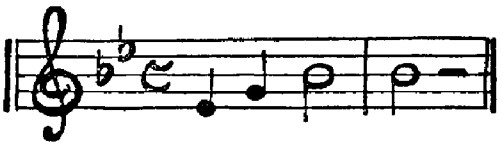
**On 31.56 m.**

| | | | |
|---|---|---|---|
| 04.00 | Bulgarian, also 236.6, 370.8 m. | 05.45 | English |
| | | 12.00 | Russian |
| 04.15 | Rumanian, also 236.6 m | 12.30 | Czech |
| 04.30 | Turkish | 13.00 | Bulgarian |
| 04.45 | Hungarian, also 236.6m | 13.30 | Albanian |
| 05.00 | Greek | 14.00 | Hungarian |
| 05.15 | German | 14.15 | Polish |
| 05.30 | Italian, also 340.5 m | | |

**On 49.18 m.**

| | | | |
|---|---|---|---|
| 16.00 | German | 19.45 | Rumanian |
| 16.15 | English | 20.00 | Hungarian, also 490.9 |
| 16.30 | Czech | 20.30 | Czech, also 490.9 |
| 16.45 | Greek | 21.00 | Serbo-Croat |
| 17.00 | French | 21.00–21.30 | Hungarian 236.6 only |
| 17.15 | Italian, also 340.5 | | |
| 17.30 | Russian | 21.30 | Spanish |
| 18.00 | Bulgarian, also 236.6 | 21.30–22.00 | Czech, 236.6 only |
| 18.10 | Czech, 264.7 only | | |
| 18.15 | Rumanian, also 236.6 | 21.30–21.50 | Hungarian, 264.7 only |
| 18.30 | Albanian, also 340.5 | | |
| 19.00 | Polish | 21.45 | French |
| 19.15 | Bulgarian | | |

**Announcement:** »This is Radio Belgrade«.
**Interval Signal:** Four bell tones.



**Verification** by letter.

# "What! my radio set out of date? Nonsense!"

The reason why owners of old radio receivers seldom believe their sets are out of date is quite simple. As their receivers have slowly deteriorated over a period of years, so have their standards of listening sunk lower and lower accordingly.

But when they hear the latest Philips Radioplayers they realise at once what pleasures they have been missing.

These advanced receivers bring exciting shortwave programmes from all over the world just as easily and accurately as local broadcasts. This is due to the special Philips bandspread tuning system.

What's more, you don't suddenly lose your station as so often happens with the old type of shortwave sets. Philips Rimlock valves and the use of a new material called "Ferroxcube" enable you to stay tuned in to your chosen station for as long as you like. Philips Radioplayers are thoroughly dependable in every way and can be trusted to give first-class entertainment for many years to come. Your Philips dealer will be delighted to give you a demonstration. See him at the earliest possible opportunity.

**ON THE NEW PHILIPS RADIOPLAYERS YOU GET YOUR FAVOURITE SHORTWAVE PROGRAMMES QUICKLY, EASILY AND THEY *STAY WITH YOU***

" Those far-off shortwave programmes are much more exciting, of course, but it's so hard to tune them in."

" On ordinary sets, yes. But it's *easy* with the new Philips Radioplayers."

**SEE THE DIFFERENCE**

*Ordinary shortwave tuning is slow, tricky, uncertain* — because you've got to get your station within a hair's breadth on the dial like this

*But Philips Bandspread Tuning it quick, easy, certain* — because all stations are s-p-r-e-a-d o-u-t on the dial like this

" And you don't suddenly lose your programme. That's what I like about Philips Bandspread Tuning."

**PHILIPS** *New Style*

**RADIOPLAYERS**

TRIUMPH OF TECHNIQUE

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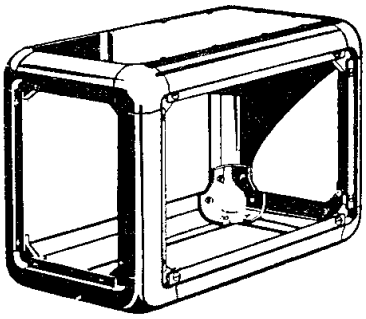
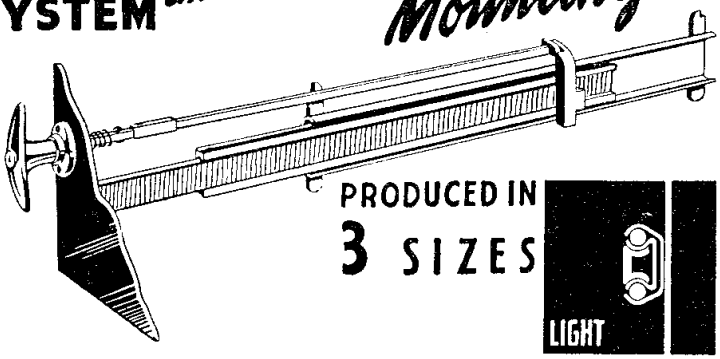
# Pre-Fab Cabinets

## Widney-DORLEC
REGISTERED TRADE MARKS

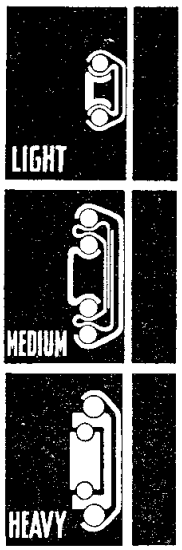
## CABINET SYSTEM and Telescopic Mountings



Providing an easily constructed cabinet for manufacturers and laboratories. The range of extruded sections, corners and brackets now available enables a housing for individual designs to be easily erected.



PRODUCED IN **3 SIZES**




Telescopic Mountings offer the most convenient means of obtaining complete accessibility of rack mounted equipment, as each chassis can be withdrawn completely clear of its framework for easy examination.

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# AFRICA AND NEAR EAST

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ALGIERS
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TENERIFFE
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TRIPOLIS
BENGHAZI
CAIRO
ANKARA
TÆBRIZ
ALEPPO
BEIRUT
TEL AVIV
JERUSALEM
BAGHDAD
TEHERAN
DAKAR
PRAIA
BISSAU
ACCRA
LAGOS
OMDURMAN
ADEN
ADDIS ABEBA
NAIROBI
BRAZZAVILLE
LÉOPOLDVILLE
LUANDA
LOBITO
BENGUELA
LUSAKA
SALISBURY
TANANARIVE
LOURENCO MARQUES
JOHANNESBURG
CAPE TOWN
ST. DENIS RÉUNION
ST. LOUIS MAURITIUS

*Radio Lusaka, North Rhodesia: Miss Margaret Wiiyase Mibense. First woman announcer.*

*Radio Lusaka, North Rhodesia: The Chitele Singers are one of the many popular broadcast programs from the Lusaka station.*

map Africa Radio Lusaka North Rhodesia Margaret Wilyase Mibense

# AFRICA

## ALGERIA (French).

**Population:** 8.700.000. **Licensed Listeners:** 180.000.
**Address:** Radio-Algérie, 10 rue Hoche, Alger. *Cable:* Radiodiffusion Alger.
**Leading Personalities:** Director Mr. Henri Gayraud, Chief Engineer Mr. Bariani. Director of Programs Mr. Vandelle. Chief of Information Mr. Jean-Jacques. Director of Administration Mr. Robert.
**Stations.**
*French Network:*

| | | | | |
|---|---|---|---|---|
| Algiers I | 980 kc/s | 306.1 m | 50 | kW |
| Constantine I | 1142 – | 262.7 – | 20 | – |
| Oran I | 1142 – | 262.7 – | 0.75 | – *) |

*) to be increased to 40 kW in 1951.
*Arab Network:*

| | | | | |
|---|---|---|---|---|
| Algiers II | 890 kc/s | 337.1 m | 40 | kW |
| Oran II | 1304 – | 230.0 – | 0.25 | – *) |
| Constantine | 1304 – | 230.0 – | 20 | – |
| Tlemcen | 1421 – | 211.2 – | 0.75 | – **) |

*) to be increased to 40 kW in 1951.
**) will cease transmission in 1951
*Kabyl Network:*

| | | | |
|---|---|---|---|
| Fort National | 1421 kc/s | 211.2 m | 0.75 kW*) |
| Algiers III | 1484 – | 202.1 – | 0.25 – *) |

*) to be increased to 1 kW.
*Short Waves:*

| | | | |
|---|---|---|---|
| Algiers O.C.1. | 9570 kc/s | 31.34 m | 10 kW |

**DAILY PROGRAMS:**
**French Network:** *Weekdays:* 06.30–08.00, 12.00–14.00, 18.30–23.00 (Sat. 24.00). *Sun.:* 07.00-23.00.
*News:* (W=Weekdays): 06.30 (W), 07.30, 12.00 (W), 12.45, 13.55, 18.30, 20.00, 22.45.
*Short Wave* 9570 *kc/s: Daily* 20.00–23.00 (Sat. 24.00).
**Arabic Network:** *Daily* 06.30–07.30, 11.15–13.45, 18.00–22.30 (Sat. 23.00).
*Short Wave* 9570 *kc/s:* From 18.30–20.00 (Tues. Wed. Fri. Sun.) Program consists of news and Arabic music.
**Announcement:** in *French:* "Ici Radio-Algérie. La Radiodiffusion française en Algérie pour parle d'Alger. Nous émettons sur . . . Mmes, Melles, Messierurs, Bonjour".
**Interval Signals:** *French network:* Before and after *each transmission* extract from the melodies: "Marouf" by Rabaud and "Escales" by Jacques Ibert. *Arabic network:* Before and after each transmission extract from "LAH'N H'ANINE" by Salim Halali.
**Verification** by QSL-card. Return-postage is suggested.
**Future Plans:** A second 50 kW transmitter (Algiers), 2 20 kW transmitters (Constantine) and 2 40 kW transmitters (Oran) under construction.

## ANGOLA (Portuguese West Africa)

**Language** for all stations: Portuguese.

### RADIO CLUB DE BENGUELA

**Address:** Caixa Postal No. 19. Benguela.
**Leading Personalities:** President, Mr. E. Simoes de Abreu. Vice-President, A. P. Marques.
**Stations:** *Benguela.*

| | | | |
|---|---|---|---|
| CR6RF | 4815 kc/s | 62.30 m | 0.45 kW |
| CR6RB | 9165 – | 32.73 – | 0.15 – |

**Daily Programs:** 11.15–13.00 (Sun. 13.45), 17.30 (Sun. 17.00)–19.00. – *News:* Weekdays 11.45, 18.00. – *Listeners' Request:* 12.00, 17.45. – *Portugues Folklore* Wed. 18.10.
**Announcement:** "Radio Club de Benguela, Africa Ocidental Portuguesa".
**Interval Signal:** For each program four chimes.
**Verification** by QSL-card.

### RADIODIFUSORA DO LOBITO

**Address:** Caixa Postal 103, Lobito.
**Station:** *Lobito.*

| | | | |
|---|---|---|---|
| CR6AA | 7177 kc/s | 41.80 m | 1 kW |

**Daily Programs:**
In *Portuguese* from 06.15–06.45, 11.30–12.45, 18.00–20.00.
In *English: Sundays* from 15.30–16.30.
**Announcement:** "This is Lobito, short-wave broadcasting station CR6AA."
**Interval Signal:** Chimes. **Verification** by QSL-card.

### RADIO CLUBE DE ANGOLA

**Address:** Caixa Postal 229, Luanda. *Cable:* "Radangola".

| Stations: | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| CR6RA | 11035 | 27.19 | 0.4 | CR6RL | 15915 | 18.85 | 1 |
| CR6RC | 7299 | 41.10 | 1 | | 9470 | 31.68 | 1 |
| | 11730 | 25.58 | 1 | CR6RN | 5096 | 58.87 | 1 |
| | | | | | 9742 | 30.80 | 1 |

**Daily Programs** on 5096, 9470 kc/s: *Weekdays:* 06.15–07.15, 11.15–12.45, 18.30–21.30. *Sun:* 08.00–09.30, 11.30–12.45, 16.00–18.30.
*News:* (W=Weekdays. S=Sun.) 12.00 (W), 18.00 (S), 19.00 (W), 21.00 (W).
**Announcement:** "Luanda Radio Clube de Angola".
**Verification** by QSL-card.

### RADIO CLUB DE MALANGE

**Address:** Caixa Postal No. 83, Malange.
**Station:** *Malange.*

| | | | |
|---|---|---|---|
| CR6RE | 7165 kc/s | 41.87 m | 0.1 kW |

**Daily Programs:**
*Weekdays:* 12.00–12.45, 19.30–20.30. – *Sun.:* 07.00–08.00, 12.30–13.30. – **Verification** by QSL card.

### RADIO CLUB DO HUAMBO

**Address:** Caixa Postal 125, Nova Lisboa.
**Stations:** Nova Lisboa CR6RD 1 kW.
7152 kc/s 41.95 m – 9250 kc/s 32.43 m – 11925 kc/s 25.16 m.
**Daily Programs:**
7152, 9250 kc/s: 11.00–12.45, 18.00–20.00
11925 kc/s: *Weekdays* 18.00–22.00. *Sun.* 11.00–12.45, 16.00–17.00.
*News:* 11.30, 18.45. – *"The Voice of Huambo":* Sun. 18.10.
*Portuguese Music:* Mo. Tues. Thurs. 11.05.
**Announcement:** "Aqui Nova Lisboa, Radio Club do Huambo".

### RADIO DIAMANG

**Address:** Companhia de Diamantes de Angola, Dundo.
**Leading Personality:** Director Mr. na Lunda.
**Station:** *Dundo.*

| | | | |
|---|---|---|---|
| CR6RG | 4770 kc/s | 62.89 m | 0.8 kW* |

*) to be increased to 1 kW.
**Daily Programs:** 18.30–19.30.
**Announcement:** At opening: Chimes, followed by "Dundo, Angola, Africa Ocidental Portuguesa". – Bars from the march "Calling all workers" followed by "Radio Diamang, Estaçao CR6RG, No comprimento de onda de 62.89 metros, frequencia de 4770 kc/s".
**Verification** by QSL card and letter.

**RADIO CLUB DE HUILA**
**Address:** Caixa Postal No. 111, Sá Da Bandeira.
**Station:** *Sá da Bandeira.*

| | | | |
|---|---|---|---|
| CR6RH | 5024 kc/s | 59.71 m | 0.05 kW |
| CR6RJ | 9755 – | 30.76 – | 1 – |

**Daily Programs:** 11.30–12.30, 18.00–20.00. Programs consist of music and news.

**RADIO CLUB DE MOCAMEDES**
**Address:** Caixa Postal No. 174, Mocamedes.
**Station:** *Mocamedes.*

| | | | |
|---|---|---|---|
| CR6RM | 7775 kc/s | 38.57 m | 0.6 kW |

**Daily Programs:** *Thurs. Sun.* 17.30–19.00. *Other days* 19.00–21.00. – **Verification** by letter.

**RADIO CLUB DE SILVO PORTO**
**Address:** Caixa Postal 33, Silvo Porto.
**Station:** *Silvo Porto.*

| | | | |
|---|---|---|---|
| CR6RO | 7582 kc/s | 39.56 m | 1 kW |

**Daily Programs:** 17.00–20.25. **Verification** by QSL card.

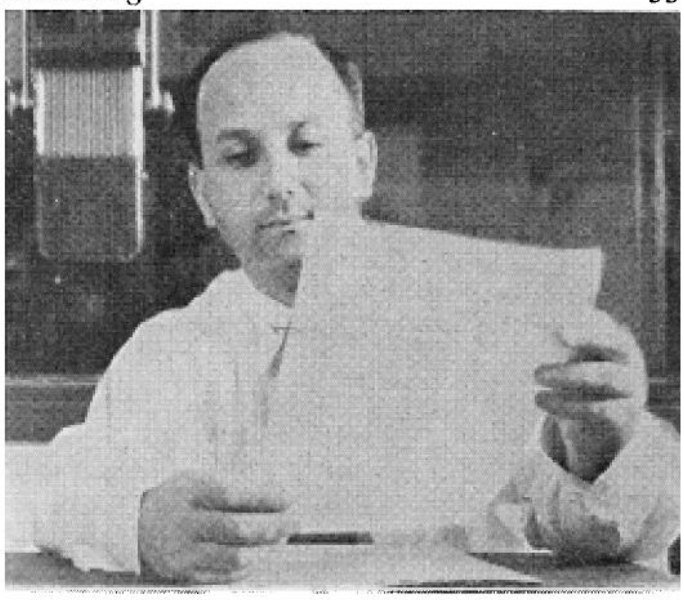
## BELGIAN CONGO

**Population:** 10.050.000. **Licensed Listeners:** 7.000.

**THE INTERNATIONAL GOODWILL STATION OTC**
**Address:** Radiodiffusion Nationale Belge, P.O. Box 505 Leopoldville, Belgian Congo.
**Leading Personalities:** Overseas Service of R. N. B. Brussels under the same General Direction. – *Brussels:* Director of Overseas Service Mr. Frans ZOETE, Assistant Mr. Hankard. *Leopoldville:* Station Manager Mr. Leopold Le Roye.
**Stations:** Leopoldville 50 kW.

| | | | |
|---|---|---|---|
| OTC 2 | 9767 kc/s | 30.71 m | (1st transm.) |
| OTC 6 | 9800 – | 30.61 – | (2nd transm.) |
| OTH | 11645 – | 25.70 – | (partial relay) |

**Daily Programs:**
*On* 9767 *kc/s:*
16.00–17.45 in *French* and *Dutch:* Program for missionaries (16.00–17.15) and "Belgium calling her Countrymen in the world" (17.15–17.45).
18.00–19.00 in *Dutch:* "Calling the Netherlander and South Africa".
19.00–20.00 in *English:* "Calling Great Britain and the British Territories in Africa". News, "Amongst Friends" or "On the Air DX" (Wed.), Music.
20.00–21.15 in *French:* "Calling France, Switzerland and the French Union".
21.15–23.15 Program for Belgian Seamen and their French and Dutch friends".
*On* 9800 *kc/s:*
23.30–01.00 in *Portuguese* and *Spanish:* "Calling South America".
01.00–01.30 in *Dutch* and *French:* "Belgium calling her Countrymen in the world".
01.30–05.15 in *French* and *English:* "Calling Canada and the United States of America". News, "Amongst Friends" or "On the Air DX" (Wed.), Music.
05.15–06.00 in *French* and *Dutch:* Program for Missionaries in the world.
*Non-Stop Musical Program:* Mo. 18.15–23.15 (Listeners' requests from 19.00) and 01.30–05.15.
*Short Wave News* and *Radio Club Information to DX'ers and Radio Amateurs:* Wed. 18.10 (Dutch), 19.10 (English), 20.10 (French).
*Amongst Friends: (Swedish.* Every alternate Fri. 19.10.)



OTC: The International Goodwill Station Leopoldville. Mr. *Bill Ashley*, the wellknown announcer of OTC.

*Preview of the next week's musical programs:* Sun. 19.10 (to Great Britain), 03.10 (to U.S.A.).
**Announcements:** *French:* "Ici Léopoldville, Radiodiffusion Nationale Belge. La Voix de la Concorde". – *Dutch:* "Hier OTC. De Belgische Nationale Radioomroep. De Vriendschapsbode te Leopoldstad". – *English:* "This is OTC. The Belgian National Broadcasting Institute; the International Goodwill in Leopoldville, Belgian Congo". – *Spanish:* "Aqui Leopoldville, La Voz de la Concordia".
**Interval-signal:** Native xylophone.

**Message to Listeners:** OTC welcomes reports from all listeners. They are answered by QSL-card and on the air in the feature "Amongst Friends", which is the forum of the OTC-Amongst Friends Club. This Club was formed two years ago following the suggestion of many regular listeners, in order to provide closer contact between the station and its listeners on one side, and between listeners themselves on the other through the pen-pal section. The club has also a stamp-collectors corner. "Amongst Friends" aims at creating a better understanding between all nations and peoples of the world and at promoting international goodwill. It is a non-profit organization, and membership tokens are forwarded to those who send either one dollar (USA) or 13 international Reply Coupons.

**RADIO-COLLEGE**
**Address:** Radio College, B. P. 296, Elisabethville.
**Leading Personal:** Révérend Perés Salisiens e Don Bosco.
**Stations:** Elisabethville OQ2AC, 0.25 kW.

| | | | |
|---|---|---|---|
| 3390 kc/s | 88.50 m | 7200 kc/s | 41.67 m |
| 4980 – | 60.24 – | | |

**Daily Programs** in *French:*
*Weekdays:* 16.30–17.30. *Sun.:* 07.00–09.00. – *"Séance Recréative":* Mo. 16.30–17.00. – *Concert:* Sun. 08.00. *High Mass:* Sun. 07.00. –

Belgian Congo Bill Ashley

**Announcement:** "Ici Radio-College, Station de Radiodiffusion Priveé, située au Collége des Français de Sales à Elisabethville, Congo Belge".
**Interval Signal:** Before transmissions: "Gipsy Baron" by Strauss. Closing down with: "Indigo" by Strauss.
**Verification** by QSL-card.
**RADIO LEO**, Leopoldville.
**Stations:** Leopoldville, OQ2AA, 0.25 kW.
11730 kc/s 25.58 m 15170 kc/s 19.77 m
**Daily Programs:** 08.30–10.45 (Sun. only).
**RADIO ELISABETH**
**Address:** A. F. M. Schovens, Box 1039, Elisabethville.
**Stations:** Elisabethville, OQ2AB, 0.25 kW.
7150 kc/s 41.96 m – 11900 kc/s 25.21 m
**Daily Programs:** 13.00–15.00 (Sun. only).
**Verification** by QSL-card.

## CAMEROON (French).

**Address:** Service de l'Information, Radiodiffusion, Douala, Cameroon.
**Leading Personalities:** Director Mr. F. Faurnier.
**Stations:** "*Radio Douala*".
7287 kc/s 41.17 m 1 kW. 9150 kc/s 32.79 m 0.6 kW
**Daily Programs** in *French: Sun.* 10–13.00,17.30–20.30. *Weekdays:* 17.30–20.30. – *News:* 17.30–20.00. *Opera:* 19.00–20.00. (Sun.) – *Classical Music:* Tues. 18.30. Sun. 10.00. – *Listeners' Requests:* Sun. 12.00–14.00. –
**Announcement:** "Ici Radio Douala".
**Verification** by letter.

## CANARY ISLANDS

**Radio Club de Tenerife.**
**Address:** P.O. Box 225, Santa Cruz de Tenerife.
**Stations:**

| | | | |
|---|---|---|---|
| Las Palmas | 1500 kc/s | 200.0 m | 0.2 kW |
| Tenerife | 1492 – | 201.1 – | 0.5 – |
| Tenerife | 7518 – | 39.90 – | 0.5 – |

**Daily Programs** in *Spanish:* 201.1 m: 11.30–13.00, 20.00–23.00. 39.90 m: 22.00–23.00.
Program consist of news and music.
**Verification** by QSL-card.

## CAPE VERDE ISLANDS

**Population:** 149.000. **Licensed Listeners:** 1.000.
**Addresses:** Direccao do Radio Club de Cabo Verde, Praia. Direccao do Radio Club, Mindelo, St. Vincente.
**Stations:**

| | | | |
|---|---|---|---|
| Praia CR4AA | 6000 kc/s | 50.00 m | 0.5 kW |
| St. Vincent CR4AB | 7180 – | 41.78 – | 0.03 – |

**Daily Programs** in *Portuguese:*
On 6000 kc/s: 18.15–20.00 – On 7180 kc/s: 22.30–24.00.
On Sundays (6000 kc): Folklore music.
**Verification** by QSL-card or letter.

## EGYPT

**Population:** 19.000.000. **Licensed Listeners:** 183.000.
**Address:** Egyptian State Broadcasting, Broadcasting House, Cairo.
**Stations:**

| | | | | |
|---|---|---|---|---|
| Cairo I | 620 kc/s | 483.9 m | 20 kW | |
| Cairo II | 1349 – | 222.6 – | 10 – | |
| Alexandria | 1122 – | 267.4 – | 0.5 – | |
| Assiut | 731 – | 410.0 – | 0.5 – | Arabic only |
| Cairo SUX | 7867 – | 38.13 – | 10 – | Arabic only |
| | 10055 – | 29.83 – | 10 – | Frid. only |

**DAILY PROGRAMS: On Medium Waves:**
**In English and French on 620 kc/s.**
10.30 (Sun. Fri. 08.00)–12.00, 17.00 (Sun. 16.00, Thurs. 16.30)–21.00 (Sat. Sun. 22.00).
*News: English:* 11.30, 18.45. *French:* 11.45, 19.00.
**In Arabic on 731 kc/s.**
04.30–06.05, 12.00–13.00, 15,30–21.15. Fri.: 06.30–13.00, 15.30–21.15.
**Daily Programmes in Arabic on short-wave.**
On 38.13 from 18.30–21.00. – On 29.83 from 06.30–10.30 Fri. only.
**Announcement:** "This is Cairo calling" in English, French, Greek. In Arabic: "Hona El Kahera".
**Interval Signal:** Camel bells. – **Verification** by QSL-card.

## ETHIOPIA

**Address:** Radio Addis Ababa, Ministry of Posts, Telegraphs and Telephones, Box 127, Addis Ababa.
**Leading Personalities:** Minister of Posts, Telegraphs and Telephones, Mr. A. Gabriel Tedros. Vice-Minister of P. T. T. Col. Tamrat Iguezou. Director General of Press and Information Department, Mr. Ato Amde Mikael Dessalegn.
**Stations:** *Addis Ababa* ("The Voice of Ethiopia").
9620 kc/s 31.19 m 1 kW – 15062 kc/s 19.92 m 7.5 kW
**Daily Programs:**
In *Amharic:*
08.00–09.00 (Sun) News, Commentary, Arabic Religious Service.
11.00–11.15 (Weekdays exc. Thurs.) News.
15.00–15.20 (not Tues. Sat.) News (also in Arabic).
16.30–18.00 (Tues.) News, Ethiopian Music.
11.00–12.00 (Thurs.) News, Ethiopian Music.
17.30–19.00 (Sat) News and comments by David Talbot, Editor of "The Ethiopian Herald". Ethiopian Music.
In *English:*
14.45–16.15 *Sun.* 14.45 Adventist Hour. – 15.15 "Hymns you love". – 16.00 Gospel Half Hour.
15.20–16.00 *Weekdays: Mo.* English by Radio, Music. *Tues.* Classical Music. *Wed.* Light Music. *Thurs.* Talk. *Fri.* Music. *Sat.* Music, News. – **Verification** by letter.

## FRENCH EQUATORIAL AFRICA

**Address:** Radio Brazzaville, P.O. Box 108, Brazzaville. *Cable:* "Radiodiffusion Brazzaville".
**Leading Personalities:** Director, Mr. Albert Bazire. Engineers, Mr. A. Asse, Mr. H. Defroyenne.
**Stations:** Brazzaville FZI

| kc/s | m | kW | |
|---|---|---|---|
| 6024 | 49.80 | 1.5 | – 05.00–07.15, 10.00–12.20, 16.00–01.30. |
| 7000 | 42.86 | 0.8 | – 05.00–07.15, 17.10–01.30. |
| 9440 | 31.78 | 7 | – 05.00–07.15, 16.00–01.30. |
| 9964 | 30.10 | 1.5 | – 05.00–07.15, 10.00–12.30, 16.00–01.30. |
| 11970 | 25.06 | 50 | – 05.00–07.15, 16.00–01.30. |
| 15595 | 19.23 | 50 | – 10.00–12.20. |
| 17840 | 16.82 | 1.5 | – 10.00–12.20, 19.00–21.00. |
| 21000 | 14.30 | 0.8 | – 10.00–12.20. |

**DAILY PROGRAMS:**
05.00–07.15 to *Europe* (11970 kc/s), *Middle East* (9440 kc/s).
10.00–12.20 to *Middle East* (15595 kc/s), *Europe* (17840, 21000 kc/s).
16.00–19.00 to *Far East* (11970 kc/s), *Middle East* (9440 kc/s).

19.00–21.00 to *Europe* (11970 kc/s), *Middle East* (9440 kc/s, *North America* (17840 kc/s).
21.00–23.00 to *North America* (11970 kc/s), *South America* (9440 kc/s).
23.00–01.30 to *South America* (11970 kc/s), *North America* (9440 kc/s).
*News:* (F = French. E = English. P = Portuguese. S = Spanish).
05.00 (F), 05.15 (E), 06.00 (F), 07.00 (F), 10.15 (E), 11.30 (F), 12.15 (F), 16.00 (E), 17.00 (F), 18.15 (P not Sun.), 18.30 (F), 20.30 (F), 20.50 (E), 21.30 (F), 22.45 (E), 00.00 (P not Sun.), 01.00 (S), 01.15 (F).
**In French:** "*La France d'Outre-Mer*": Tues. Fri. 20.15, 00.45. – "*La France dans le Monde*": Wed. 16.45, 20.15. "*L'envers du Décor*": Thurs. 16.15, 18.50, 00.15. – "*Actualités sans Image*": Sat. 11.00, 16.45, 20.15, 00.45.
**In English:** The following features are broadcast after the news at 05.15, 16.00 and 22.45:
"*The Mailbag*" (Sun.). – "*This Queer World*" (Tues.) – "*Colonial Talk*" (Thurs.). – "*This is France*" (Sat.). –
**In Danish:** Every second Wed. at 20.00 program for Denmark and Danes abroad.
**In Swedish:** Every fourth Wed. for Sweden and Swedes abroad.
Other programs consist of *Light and Classical Music.*
**Announcement:** In *French:* "Radio Brazzaville, Poste National Français." In *English:* "Radio Brazzaville, the French National Broadcasting Station in Africa."
**Interval-Signal:** When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.

## GUINEA (Spanish)

**COMPANIA DE RADIODIFUSIÓN INTERCONTINENTAL. (See Spain).**
**Address:** Diego de León, 50, Madrid, Spain.
**Stations:** "Radio Atlántica". Fernando Po.
8850 kc/s 36.10 m 200 kW – 11600 kc/s 26.70 m 200 kW
17600 – 17.04 – 200 – Stations under construction

## GOLD COAST COLONY

**Address:** Broadcasting Departm., P. O. Box 250, Accra. A program folder in English is published weekly.
**Leading Personalities:** Head of Department Mr. J. W. Foster. Senior Program Officer Mr. R. H. W. Mason.
**Stations:** Accra ZOY.
4915 kc/s 61.04 m 5 kW – 6049 kc/s 49.60 m 1.8 kW
**Daily Programs** in English.
06.00–08.00 on 6049 kc/s: B. B. C. Program.
10.00 (Sun. 10.28)–12.00 on 6049 kc/s: Gold Coast Program (Weekdays). – *Gold Coast News* at 10.30. – *Ashanti Drums* and Announcement at 10.28. – *News* in various dialects. – *Sundays:* B. B. C. Program.
12.00–13.30 on 6049 kc/s: B. B. C. Program.
15.28–17.55 on 4915 kc/s: Gold Coast Program (Weekdays). – *Gold Coast News* at 17.45. – *Ashanti Drums* and Announcement at 15.28. – *News* in various dialects and native music. – *Sundays:* B. B. C. Program.
18.00–20.00 B. B. C. Program.
20.15–21.00 West Africa Regional Program (Weekdays). West Africa Diary. Music.
21.00–21.30: B. B. C. Program.
**Announcement:** "This is ZOY Accra on the Gold Coast broadcasting on 41.12 (or 61.04 m)".

## GUINEA (Portuguese)

**Address:** Emisora Da Guinea, Estacao CQM, Bissau.
**Station:** *Bissau* CQM 7 6993 kc/s – 42.90 m – 1 kW.
**Daily Programs** in *Portuguese:* 21.30–23.00.

## KENYA

**Population:** 4.500.000. **Licensed Listeners:** 11.000.
**Address:** Cable and Wireless Limited, P. O. Box 777, Nairobi. *Cable:* "Empiregram".
**Leading Personality:** Manager Mr. E. G. Garneys.
**Stations:** Nairobi VQ7LO.

| | | | | |
|---|---|---|---|---|
| 682 kc/s | 440.0 m | 3 kW | Indian |
| 857 – | 350.0 – | 6 – | English |
| 4855 – | 61.79 – | 6 – | English |
| 6060 – | 49.50 – | 3 – | Indian |

**Daily Programs:**
*English:* 10.00–11.00 (Sat. 11.10), 15.00–19.00 (Wed. Sat. 20.00). – *Indian:* 10.00–11.00, 16.00–18.30.
*English:*
*News:* 16.00 (BBC), 16.15 (Local News). – *Lunch Program:* 10.00 (Weekdays). – *Program Preview:* 10.30, 16.10. The BBC-News at 16.00 is also relayed by the Indian Network.
**Announcement:** "This is Nairobi Broadcasting Station of Cable and Wireless Ltd. calling on 350 and 61.79 m".
**Verification** by letter.

## LIBERIA

**Address:** Liberian Broadcasting Company, Monrovia.
**Leading Personality:** President Dr. John B. West.
**Stations:** Monrovia.

| | | | |
|---|---|---|---|
| ELBC | 900 kc/s | 333.3 m | 10 kW |
| ELB1 | 6025 – | 49.79 – | 0.5 – |

**Announcement:** "This is the Liberian Broadcasting Company".
**Future Plans:** Five short-wave transmitters will open soon with calls of ELB2, ELB3, ELB4, ELB5 and ELB6.

## MADAGASCAR

**Population:** 3.500.000. **Licensed Listeners:** 10.000.
**Address:** "Radio-Tananarive", Poste officiel du Gouvernement Général de Madagascar, Tananarive.
**Leading Personalities:** Director Mr. Gilbert Saron. Director of Programs Mr. Robert Guillon. Editor of Programs Miss Geneviève Commeny.
**Stations:** FIQA. Tananarive.

| **French Network** | | | **Malgache Network** | | |
|---|---|---|---|---|---|
| kc/s | m | kW | kc/s | m | kW |
| 3900 | 76.92 | 1 | 7375 | 40.68 | 0.25 |
| 6172 | 48.60 | 1 | 9693 | 30.95 | 0.25 |
| 9515 | 31.53 | 1 | | | |

**Daily Programs** in *French: Weekdays:* 03.30–05.30, 09.00–11.00, 15.00–19.30. *Sun.:* 04.00–07.45, 08.30–11.00, 14.15–19.30. *News:* 04.10, 05.00, 09.00, 16.00, 18.15. Sun.: 05.15, 09.00, 16,00. 18.15.
*Symphony:* Sun. 14.30, Tues. 17.00. – *Theatre:* Thurs. and Sat. 16.30. *Chahaveri Panoramigue:* Sun. 17.30.
**Announcement** in *French:* "Ici Radio Tananarive" – at opening, followed by: "Voici notre émission de la journée diffusée sur les longueurs d'ondes suivantes . . . . . .". –
**Interval Signal:** Malgache music.
**Verification** by QSL-card. Return postage requested.
**Future-Plans:** 10 kW transmitter under construction.

## MALTA

**Population:** 270.000. **Licensed Listeners:** 17.000.
**FORCES BROADCASTING SERVICE.**
British stations designed for coverage of Army, Air Force and the entire Middle East.
**Address:** Headquarters, Forces Broadcasting Service, Malta Garrison.
**Leading Personalities:** Chief Broadcasting Officer, Mr. Leslie Knight. Chief Technical Officer, Mr. M. Taylor. Chief Program Officer, Mr. S. T. Moffett.
**Stations:**
*Medium Wave:* 1484 kc/s 202.1 m 1 kW.
*Short Wave:* Malta 7.5 kW.
4965 kc/s 60.42 m – 6015 kc/s 49.88 m – 6140 kc/s 48.86 m 7220 kc/s 41.55 m – 7270 kc/s 41.27 m – 11895 kc/s 25.22 m – 11710 kc/s 25.62 m – 15125 kc/s 19.83 m – 15250 kc/s 19.67 m.
**DAILY PROGRAMS in English.**
**Medium Wave:**
On 1484 kc/s: *Weekdays:* 04.00–06.15, 09.30–21.00. *Sun.:* 04.00–21.00.
**Short Waves:**
*Weekdays:*
04.00–06.15 on 6015, 7220 kc/s. – 09.30–17.00 on 11895 kc/s. – 09.30–21.00 on 7220 kc/s. – 17.30–21.00 on 6015
*Sundays:*
04.00–21.00 on 7220 kc/s. – 04.00–08.00 on 6115 kc/s. 09.00–17.00 on 11895 kc/s. – 17.30–21.00 on 6015 kc/s.
News, features and variety shows relayed from GOS. BBC. Studio programmes of light music, classical music concerts, sports features and variety.
**Announcement:** The call-sign of each station is: "This is your Forces' Broadcasting Service, Middle East". – Other times: "You are tuned to the Forces' Broadcasting Service, Middle East".
**Interval Signal:** 30 Second interval signal of the recording "Marigold" (Piano Solo). – **Verification** by letter.

## MAURITIUS

**Address:** Mauritius Broadcasting Service, Forest Side.
**Leading Personalities:** Officer i/c Broadcasting Service Mr. R. H. Ardill. Manager M. B. S. Mr. C de Chazal. Senior Technical Assistant Mr. N. Rambert.
**Stations:** Forest Side, V3USE.
1364 kc/s 219.5 m 5 kW – 15075 kc/s 19.90 m 1.5 kW
**Daily Programs** in *English* and *French:*
*Weekdays:* 03.00–04.15, 08.00–09.30, 14.30–17.00.
*Sundays:* 06.15–08.00, 14.30–17.00.
*News in English:* 16.45. – *News in French:* 03.30.
**Announcement:** In *English:* "This is the Mauritius Broadcasting Service". In *French:* "Ici le Poste de l'Ile Maurice".
**Interval Signal:** A popular March "The Thin Red Line".
**Verification** by letter.

## MOROCCO (French)

**Population:** 8.617.387. **Licensed Listeners:** 123.830.
**Address:** Radio Maroc, Immeuble des P.T.T., Rabat. For letters from listeners: "Courrier des Auditeurs", Radio Maroc.
**Leading Personalities:** Director General Mr. Jean Arnaud. Chief of News Dept. Mr. P. Peyre. Chief Engineer Mr. Francois Goure. Administrator Mr. Grolleau. General Secretary Mr. Albert Lestage
**Stations:** (*Network A = French. B = Arabic, Spanish*).

| | | | | | | |
|---|---|---|---|---|---|---|
| Network A. | Rabat | 611 kc/s | 491.0 m | 20 kW |
| Network B. | Rabat | 1043 – | 287.6 – | 20 – |
| | Fez | 701 – | 428.0 – | 1 – |
| Short Wave: | Rabat | 6005 – | 49.95 – | 2.5 – |

**Daily Programs on Medium Waves:**
*Network A: French:* 06.45–08.30 (Sun. 14.30), 12.00–14.30, 18.00 (Sun. Thurs. Sat. 17.00)–23.00.
*News:* 07.00, 08.15, 12.10, 13.00, 14.20, 18.50, 20.15, 23.00
*Network B: Arabic:* 07.00–08.30, 11.00–12.00 (Berbére), 12.30–14.30, 19.00–23.00. – *Spanish:* 12.00–12.30, 18.00 (Sun. 18.30)–19.00.
*News: in Arabic:* 07.15, 08.00, 11.45 (Berbère), 12.30, 13.15, 20.30. *News in Spanish:* 12.00, 18.00 ,18.45.
**Daily Programs on Short Wave:** (Relay Network A & B).

| | | | |
|---|---|---|---|
| 06.45–08.00 | French | 13.00–14.30 | French |
| 08.00–08.30 | Arabic | 18.00–19.30 | Spanish |
| 11.00–12.00 | Arabic (Berbère) | 19.30–20.15 | Arabic |
| 12.00–12.30 | Spanish | 20.15–23.00 | French |
| 12.30–13.00 | Arabic | | |

**Announcement:** "Ici Radio Maroc" or "Ici Rabat – Radiodiffusion Marocaine".
**Interval Signal:** At *opening and closing:* "Marseillaise" and "Hymne Chérifien". – *Before the News:* at 13.00 and 20.15: Fragment of "Bacchanale" from "Samson and Delila" by Saint-Saëns. **Verification** by QSL card and letter.

## MOROCCO (Spanish)

**Population:** 1.000.000. **Licensed Listeners:** 50.000.
**Radio Tetuan.**
**Address:** Empresa "Torres Quevedo". S. A. Plaza de Muley el Melodi, Tetuan.
**Stations:**

| | | | |
|---|---|---|---|
| Melilla | 1492 kc/s | 201.1 m | 0.2 kW |
| Tetuan | 6067 – | 49.45 – | 1.0 – |

**Daily Programs:** In *Spanish:* and *Arabic:* 14.00 – 18.00, 20.00–24.00. News and Music.
**Announcement:** In *Spanish:* "Agui Radio Tetuan". "La Voz de España en el Norte de Africa". In *Arabic:* "Huna Tetuan".

## MOZAMBIQUE (Portuguese East-Africa)

**Population:** 25.000 Europeans. **Licensed Listeners:** 4.000.
**RADIO CLUBE DE MOZAMBIQUE**
**Address:** Radio Clube de Mozambique, P. O. Box 594, Lourenço Marques. *Cable:* "Radioclub".
**Leading Personalities:** President Capt. Antonio dos Santos Figueiredo. General Manager Mr. J. Pinheiro. English Section Manager Mr. D. J. Davies. Commercial Managers Davenport & Meyer Ltd.

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| CR7AB | 3490 | 85.96 | 7.5 | CR7BE | 9671 | 31.02 | 12 |
| CR7BV | 4819 | 62.25 | 7.5 | CR7BJ | 9766 | 30.72 | 7.5 |
| CR7BU | 4932 | 60.83 | 7.5 | CR7AA | 11764 | 25.50 | 7.5 |
| CR7AA | 6137 | 48.88 | 7.5 | CR7BG | 15190 | 19.75 | 12 |

**Daily Programs:** In *English* 04.00–21.00 (Sat. 22.00). From 04.00–16.00 in 85–31 m.b. From 16.00 in 85-60-31 m.b. Programs consist of music, dramatic shows etc.
In *Portuguese:* 05.00–06.00, 09.30–11.30, 16.00–20.00. From 05.00–11.30 in 31 m.b. From 16.00–20.00 in 61 m.b. From 16.00–18.00 also in 19 m.b.
*News:* 05.15 (Week.), 10.30, 17.00, 18.50 (Week.) and 19.50 (Week.)
"*Boere Musiek*": Music characteristic of S. Africa: Mo.

07.30. "*The Best in Afrikaans Musiek*": Mo. 16.45. "*Music from Portugal*": Tues. 07.15.
**Announcement:** In *English:* Every quarter or half hour 4 chimes followed by "Lourenço Marques for happy listening in the . . . metre bands from 6 o'clock in the morning until 11 o'clock at night". In *Portuguese:* "Radio Clube de Mozambique".
**Interval Signal:** *English programs:* "Sarie Marais". *Portuguese programs:* Gong. – **Verification** by QSL-card.
**EMISSORA DO AERO CLUBE DA BEIRA**
**Address:** Caixa Postal 3, Beira.
**Stations:** CR7IB 7199 kc/s 41.68 m 0.3 kW
**Daily Programmes on 7199 kc/s.**
*Weekdays* from 09.45–10.45, and 18.00–20.00.
*Sundays* from 09.00–12.00 and 17.00–20.00.
**Verification** by QSL-card.

## NIGERIA

**Population:** 25.000.000. **Licensed Listeners:** 2.000.
**Address:** Public Relations Department, 11, Custom Street, Lagos. *Cable:* Veracity Lagos.
**Leading Personalities:** Public Relations Officer Mr. Harold Cooper. Senior Broadcasting Officer Mr. C. P. de S. Milner Haigh. Director of Posts and Telegraphs Mr. P. A. Courtney. Asst. Chief Engineer Mr. R. W. Stephens.
**Stations:** "Radio Nigeria".
6035 kc/s 49.71 m 0.3 kW – 9655 kc/s 31.07 m 0.3 kW
6035 kc/s 41.32 m 1 kW.
**Daily Programs** in *English, Yoruba, Ibo, Hausa and Benin:* 18 hours 30 minutes (daily) covering all frequencies.
*News in English:* 12.30. – *Vernacular News:* 17.15. – *Vernacular Music:* 17.00. – *Religious Service:* 18.30. – *Folk Music* (Tues. Yoruba Minstrel; Wed. British Council Half Hour and Concert; Fri. Listeners' Choice, Records): 18.45-20.00. **Verification** by QSL-letter.

Nigeria: Mr. *Alakija* and Mr. *Olumide*, Radio-Announcers, at the »Mike« discussing the announcement of a programe.

**Future Plans:** A complete system of Broadcasting is to be introduced shortly with both National and Regional transmitters.

## REUNION (French Department)

**Address:** Radiodiffusion Française, St. Denis.
**Leading Personality:** Manager Mr. B Guyot.
**Stations:** St. Denis.
4797 kc/s 62.54 m 0.1 kW – 7170 kc/s 41.84 m 0.05 kW
**Daily Programs** in *French:*
*Weekdays:* 02.45–03.30, 08.15–09.15, 13.30–14.30. Sat. also 17.00–19.00. *Sundays:* 04.00–05.00, 07.00–09.00, 13.30–14.30.
*News:* 02.50, 08.15, 13.30. **Verification** by letter.

## NORTHERN RHODESIA

**Population:** 1.726.400. **Licensed Listeners:** 13.100.
**Address:** The Broadcasting Engineer, Broadcast House Box 209, Lusaka. *Cable:* "Inform".
**Leading Personalities:** Director of Information Mr. H. Franklin. Broadcasting Officer Mr. A. M. Kittermaster. Broadcasting Engineer Mr. J. W. Murray. Senior African Announcer Mr. E. N. Mlongoti.
**Stations:** Lusaka ZQP.
3914 kc/s 76,60 m 0.4 kW – 7220 kc/s 41.55 m 2.5 kW
**Daily Programs** for *Africans:* 14.00 (Tues. Sun. 14.30) –17.30. – In *English* on Tues. Other days in native languages. – *Religious Service:* Sun. 15.30. – *Request Program:* 15.00. – *Dancing:* 17.00.
**Announcement:** "This is the Central African Broadcasting Station in Lusaka".
**Interval Signal:** Barotse Drums with "Silimba" (Barotse-Xylophone). **Verification** by QSL-card.
**Future Plans:** A new 15 kW transmitter ready 1951.

## SOUTHERN RHODESIA

**Address:** Studio Controller, Broadcasting House, Manica Road, Salisbury.
**Leading Personalities:** Studio Controller Mr. John Parry. Commentator Mr. B. Gilbert. Producer Miss Helen Kelly.
**Stations:** Salisbury 15 kW.
3320 kc/s 90.36 m 7290 kc/s 41.15 m
6018 – 49.85 – 9490 – 31.61 –
**Daily Programs for Europeans** *in English: On 7290 kc/s:* 09.30 (Sun. 08.30)–11.15. – *Other frequencies:* 15.55 (Sun. 17.55)–20.00.
*News:* 08.30 (Sun) 09.40 (Weekdays) 11.00 (BBC) 16.00 (BBC, Weekdays) 18.00 (BBC). – *Sunday Morning Concert:* Sun. 09.30.
**Announcement:** "This is Southern Rhodesia".
**Interval Signal:** Bells. – **Verification** by letter.

## SAO TOMÉ (Portuguese)

**Address:** Radio Clube de Sao Tomé e Principe, Sao Tomé.
**Leading Personality:** President General Assembly Lieutenant-Commander Alfonso Machado de Sousa.
**Stations:** Sao Tomé. 1 kW.
CR5SC 4807 kc/s 62.40 m – CR5SA 9615 kc/s 31.20 m
CR5SB 17677 kc/s 16.97 m
**Daily Programs** in *Portuguese:*
On *17677 kc/s:* 12.00–13.00 (Sun. & Thurs. only). – On *9615 kc/s:* 18.00–19.30 (daily). – On *4807 kc/s:* 19.30–21.00 (daily). – *News:* 20.00.
**Announcement:** "Radio Clube de Sao Tomé".
**Verification** by letter.

## FRENCH WEST AFRICA (SENEGAL)

**Address:** Poste Fédéral Radio-Dakar, 93 Rue Félix Faure, Dakar, A. O. F.
A fortnightly program-folder published by the Federal Information Service.
**Leading Personalities:** Director Mr. Neufinck. Deputy Director Mr. Gobert.

Nigeria Northern Rhodesia Southern Rhodesia Sao Tome Reunion Senegal Mr. Alakija Mr. Olumide

**Stations:** *Radio Dakar.*
1438 kc/s 208.0 m 5 kW – 15347 kc/s 19.55 m 12 kW – 11895 kc/s 25.22 m 12 kW.
**Daily Programs:**
*On 1438 and 11895 kc/s: Weekdays:* 07.00–08.00, 12.00–13.30 (Fri. 13.45), 18.00–23.00. *Sun.:* 07.00–14.00, 18.30–23.00. *On 15347 kc/s* (to France and Europe): *Daily:* 19.00–20.30. Relay medium wave.
*News in French:* 07.15, 12.30, 19.15, 20.15, 22.55.
*News in French at dictation speed* (for the districts in the bush): 07.45, 12.00. *News in English:* 19.00 (may be altered).
*News in Native Tongues* (Arabic, Woloff, Bambara, Peulh and Mossi): 18.00–18.30.
*Lunch Concert:* Daily 13.00. – *Dance Music:* Daily 22.30. "*Votre Disque:*" Sun. 11.00. – *Symphony:* Sun. Fri. 21.00. "*Radio Cocktail*": Sun. 19.30. – *Talk by the "Institut Français d'Afrique Noire:"* Wed. 19.30.
**Announcement:** At the beginning of every broadcast the "Hymne de l'Infanterie de Marine" is played, followed by "Ici Radio Dakar émettant sur 25.22 m et 208 m (et 19.55 m)".
**Verification** by QSL card. I. R. C. should be enclosed.
**Future Plans:** Before the end of 1950 five mediumwave relay-stations of 1 kW each are to be built in the main towns of West Africa.

## SOMALILAND (British)

**Address:** Information Officer, Hargeisa. *Cable:* Informat.
**Leading Personality:** Information Officer, Mr. Michael Wilson.
**Station:** Hargeisa.
VQ6MI 7125 kc/s 42.10 m 1 kW
**Daily Programs** in *English* and *Somali:* 13.30–14.30. Programs consist of: BBC Programs in Somali, Records, Koran and Religious Talk.
**Announcement:** "This is Radio Somali". – **Interval Signal:** Playing records.

## SUDAN (Anglo-Egyptian)

**Address:** Sudan Broadcasting Service, Public Relations Office, P. O. Box 522, Khartoum.
**Station:** Radio Omdurman.
57.25 kc/s 52.45 m 0.75 kW – 6115 kc/s 49.06 m 0.25 kW
9747 kc/s 30.78 m 6.5 kW – 15000 kc/s 19.50 m 6.5 kW
**Daily Programs** on 9747 m 6115 kc/s:
In *English: Fri.* 17.30–18.00. – In *Arabic: Daily exc. Fri.:* 04.15–04.45, 16.30–18.00, 19.00–19.30. *Fri.:* 04.15–04.45, 08.00–09.00, 14.00–15.00, 16.30–17.30, 19.00–19.30.
**Announcement:** In *English:* "Radio Omdurman calling". In *Arabic:* "Huna Omdurman". – **Verification** by QSL card.

## TANGIER

### RADIO INTERNATIONALE

**Address:** 34, Rue Goya, Tangier. *Cable:* "Radiointer".
**Leading Personalities:** President Mr. D. Antonio Garrigues. Secretary Mr. D. Vergilio Oñate. Director General Mr. Herbert Rutledge Southworth. Administrator Mr. D. Cuetos-Martinez. Chief Engineer Mr. D. Jesus Martin Córdova.
**Stations:** Radio International.
1232 kc/s 243.5 m 10 kW* – 6110 kc/s 49.10 m 1 kW*
* to be increased to 50 kW.
**Daily Programs:**
*On 1232 kc/s:* 11.00–15.00, 17.00–23.00.
*On 6110 kc/s:* 11.00 (Sun. 10.00)–23.00.
*English:* 11.00–11.30. – *French:* 11.30–12.15, 19.00–20.15. *French* and *Spanish:* 13.00–15.00, 21.35–23.00. – *Spanish:* 12.15–13.00, 20.15–21.35. – *Arab:* 17.00–19.00. – *Bringing Christ to the Nations (on short wave only)*: Daily 15.00–17.00 and Sun. also 10.00–11.00 in different languages. – "*Disques Dédiés" (Request Program) in French and Spanish:* 13.00 (Sun. 13.15, 21.30 (Wed. 22.00)). – *News from Tangier:* 12.00, 13.30, 19.15, 22.00.
**Announcement:** In *English:* "This is Radio International broadcasting from Tangier on short and medium waves with musical programs in French, Spanish, English and Arabic . . . etc." – In *French:* "Ici Radio Internationale qui émet de Tanger sur ondes courtes et moyennes en Français, Espagnole, Anglais et Arabe . . . etc." – **Verification:** by QSL-card.

### PAN-AMERICAN RADIO

**Address:** Pan American Broadcasting System, 39, Boulevard Pasteur, British Post Office Box 49, Tangier. (The International Banking Cooporation of Tangier). *Cable:* "Panamericana Tangier".
**Leading Personalities:** Directors Mr. C. E. Walbaum, Mr. Jaime Surinach Oller.
**Stations:** Tangier 5 kW.
7400 kc/s 40.54 m – 15048 kc/s 19.95 m
**Daily Programs** in English, Spanish and French: 12.00 and 20.00. *English:* 13.00–13.30.
Programs consist of economical and financial news and American music.
**Announcement:** "This is Pan-American Radio Tangier, in the International Zone of Tangier, Morocco. We are testing in the 19 metre band on 15048 kc/s".
**Interval Signal:** Musical box. Central American tune: "La Cucaracha". – **Verification** by QSL-cards.

### RADIO-AFRICA

(Compagnie Africaine Publicitaire et Commerciale, CAPEC).
**Address:** *Studios:* 2, Rue Jeanne d'Arc, Tanger.
*Station:* 39, Calle Shakespeare, Tanger.
**Leading Personalities:** Chairman Mr. Jean de Bournet. Manager Mr. Georges Dahlquist. Commercial Service Mr. Beaudry. Director of Programs Mr. Alain Dorly and Mr. Herminio Blanco. Chief Engineer Mr. Hans Meichtry.
**Stations:** Tangier.
903 kc/s 331.6 m 5 kW – 7101 kc/s 42.24 m 10 kW.
**Daily Programs** (on both frequencies): Daily 11.00–15.00, 18.00–24.00.
*French and Spanish:* 19.00–24.00. – *Arabic:* 18.00–19.00, – *Concert for Listeners:* 11.30–12.30.
*Verification* by letter and radio.

### VOICE OF AMERICA

**Relay Stations:** Tangier 50 kW.

| | | | | |
|---|---|---|---|---|
| 6060 kc/s | 49.50 m | – | 7214 kc/s | 41.58 m |
| 9560 – | 31.48 – | – | 15210 – | 19.72 – |
| 9680 – | 30.99 – | – | 15250 – | 19.67 – |
| 11790 – | 25.45 – | – | 15280 – | 19.63 – |
| 15240 – | 19.69 – | – | | |

**Daily Programs:** See U.S.A.
**Announcement:** "This is Tangier relaying the "Voice of America" – programs from New York".

## TUNISIA

**Population:** 3.400.000. **Licensed Listeners:** 61.353.
**Address:** Radio Tunis, 2 Rue d'Alger, Tunis.
**Leading Personality:** Director Regional, Mr. Boissiere.
**Stations:**

| | | | |
|---|---|---|---|
| Tunis I | 962 kc/s | 311.9 m | 120 kW* |
| Tunis II | 629 – | 477.0 – | 20 – |

During the daytime is used 20 kW only.
**Daily Programs** in *French* and *Arabic*.
*French:* On 962 kc/s: 06.00–07.15, 11.00–13.00, 17.15–22.00. On 629 kc/s: 18.30–21.00.
*Arabic:* On 962 kc/s: 05.15–06.00, 12.15–13.00, 17.30–21.00.
*News in French:* 06.15, 07.00, 11.00, 12,00, 18.00, 19.00, 21.45. – *Symphony:* Sun. 17.45.
**Announcement:** "Ici Radio Tunis" in French and Arabic.
**Interval Signal:** Gong.

## UNION OF SOUTH AFRICA

**Population:** 11.418.349. **Licensed Listeners:** 550.000.
**SOUTH AFRICAN BROADCASTING CORPORATION**
**Addresses:** South African Broadcasting Corporation, P. O. Box 8606, Johannesburg. – *Cables:* Broadcast Johannesburg.
**Leading Personalities:** Chairman of the Board of Governors, Dr. S. H. Pellissier. Director General, Mr. G. D. Roos. Deputy Director General, Mr. N. L. Filmer. Chief Accountant, Mr. R. C. Strike. Director of Afrikaans Programs, Mr. T. van Lille. Director of English Programs, Miss G. N. Dickson. Secretary, Mr. J. P. A. van der Walt. Director of Commercial Service, Mr. E. H. Cameron McClure.
**STATIONS.**
**Transvaal Division**
**Johannesburg:**
*English:*
638 kc/s 470 m 10 kW – 836 kc/s 359 m 5 kW

| | | | | |
|---|---|---|---|---|
| 3290 | – | 91.2 m | 1 – | Evening, May–August |
| 4800 | – | 62.5 – | 1 – | Evening, September–April |
| 7230 | – | 41.5 – | 1 – | Morning, Afternoon |
| 9870 | – | 30.4 – | 1 – | Midday, September–April |

*Afrikaans:*
782 kc/s 384 m 5 kW – 728 kc/s 412 m 5 kW

| | | | | |
|---|---|---|---|---|
| 3450 | – | 86.9 – | 5 – | Evening, May–August |
| 4895 | – | 61.3 – | 5 – | Evening, September–April |
| 7275 | – | 41.3 – | 5 – | Morning, Afternoon |
| 9523 | – | 31.5 – | 5 – | Midday, September–April |

*Commercial:*
971 kc/s 309 m 5 kW – 1025 kc/s 293 m 5 kW

| | | | | |
|---|---|---|---|---|
| 3356 | – | 89.4 – | 5 – | Evening, May–August |
| 4945 | – | 61.0 – | 5 – | Evening, September–April |
| 7295 | – | 41.2 – | 5 – | Morning, Afternoon |
| 9600 | – | 31.6 – | 5 – | Midday, September–April |

**Pretoria:**
*English:* 953 kc/s 315 m 2 kW – *Afrikaans:* 764 kc/s 393 m 2 kW – *Commercial:* 863 kc/s 348 m 2 kW.
**Orange free State Sub-Division.**
**Bloemfontein:** 2 kW.
*English:* 809 kc/s 371 m – *Afrikaans:* 620 kc/s 484 m. – *Commercial:* 1007 kc/s 298 m, Starts Dec. 1950.
**Kimberley:**
*English:* 932 kc/s 322 m 0.6 kW – *Afrikaans:* 1475 kc/s 203 m 0.2 kW.
**Eastern Cape Sub-Division.**
**Grahamstown:**
English: 872 kc/s 344 m 5 kW.
**Port Elisabeth:**
*English:* 962 kc/s 312 m 2 kW – *Afrikaans:* 773 kc/s. *Commercial:* 1178 kc/s 255 m 2 kW, Starts Dec. 1950.
**Cape Division.**
**Cape Town:**
*English:* 600 kc/s 500 m 10 kW

| | kc/s | m | kW | |
|---|---|---|---|---|
| *Afrikaans:* | 791 | 379 | 5 | |
| | 9610 | 31.2 | 5 | Midday, Sept.–Apr. |
| | 7255 | 41.3 | 5 | Day, May–Aug. |
| | 5890 | 51.0 | 5 | Evening. |

This short-wave station may be on 90 metres, evening May-August 1951.
**Natal Division.**
**Durban:**
*English:* 800 kc/s 375 m 5 kW – *Afrikaans:* 665 kc/s. *Commercial:* 989 kc/s 303 m 5 kW.
**Pietermaritzburg:**

| | | | | |
|---|---|---|---|---|
| *English:* | 691 kc/s | 434 m | 10 | kW |
| *Afrikaans:* | 4878 – | 61.5 – | 0.2 | – |

**DAILY PROGRAMS:**
**Usual Session Times:**
*Weekdays:* 06.45–08.30, 10.15–14.10, 16.00–23.05.
*Sundays:* 07.55–08.30, 10.15–23.05.
*English:* 05.00 (W), 06.00, 11.00, 16.00, 17.00 (W), 20.00.
*Afrikaans:* 05.00(W), 06.00(S), 11.00, 16.00, 20.00.
**Commercial Service:**
*Weekdays:* 06.45–23.00. – *Sundays:* 08.00–23.00.
*News:* (W = Weekdays. S = Sundays).
*Commercial Service, called Springbok Radio* has no news and begins at 04.45 with "The Breakfast Session". Other Programs consist of plays, comedies, variety shows, elaborate musicals, quiz programs, mystery serials, talks, sporting commentaries, new record releases and request programs. "Springbok Radio" closes down to Con Lamprechts' special arrangement of "Vat jou goed en trek Ferreira".
**Interval Signal:** For Commercial Service (Springbok Radio): GCECA in key C. — **Verification** by QSL card.

**RADIO MAFEKING, BECHUANALAND**
**Station** Mafeking.
ZNB 8230 kc/s 36.45 m 0.2 kW.
**Daily Programs:** 11.00–12.00, 17.00–19.30.
**Announcement:** "This is Radio Mafeking".

# NEAR EAST

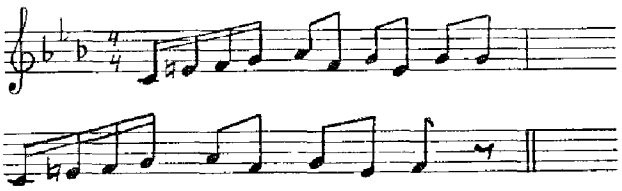
## AFGHANISTAN

**Address:** Press Department, Kabul.
**Stations:** Radio Kabul. 20 kW.
674 kc/s 445.1 m – 5980 kc/s 42.13 m – 9600 kc/s 31.25 m 11800 kc/s 25.42 m.
**Daily Programs** from 02.00–19.00 in Pashto, Persian, Hindustani, French. Musical programs consist of modern occidental music, native music and songs which the shepherd bards have made indigenous to the mountains and valleys of Afghanistan. **Interval Signal:** Tune on flute.

## CYPRUS

### NEAR EAST ARAB BROADCASTING STATION

**Address:** P. O. Box 219, Limassol, Cyprus. *Cable:* Nebsharo", Limassol.
Publish a fortnightly program pamphlet.
**Leading Personalities:** Director Mr. F. W. Benton. Deputy Director Mr. Rex Keating. Director of Programmes: Mr. Mohammed Bey Ghussein. Chief Engineer Mr. R. Travers.
**Stations:** Sharq al Adna 7.5 kW.
ZJM 4 6135 kc/s 48.90 m ZJM 8 9650 kc/s 31.09 m
ZJM 5 6170 – 48.62 – ZJM 7 11720 – 25.60 –
ZJM 6 6790 – 44.18 –
**Daily Programs** in *Arabic:*
03.55–06.30 on 9650, 6790, 6170, 6135 kc/s.
11.00 (Sun. Fri. 08.00)–16.45 on 11720, 9650, 6790, 6135 kc/s.
16.45–17.00 on 9650, 6790, 6135 kc/s.
17.00–19.00 on 9650, 6790, 6170, 6135 kc/s.
*News:* 04.00, 05.45, 06.00, 11.30, 15.30, 16.15, 18.30.
*Program Previews:* 03.55, 05.40, 11.00, 14.25.
**Announcement:** "Mahattat a Sharq al Adna."
**Interval Signal:** Arabic music on stringed instrument.



**Verification** by QSL-card.

## IRAN

**Address:** The Department of Press and Propaganda, Teheran, Iran. *Cable:* "Teheran Propaganda".
**Leading Personalities:** Acting Director General Mr. E. Y. Bozorgmehr. General Assistant of the Dept. Mr. Mirkia. Head of Radio Section Mr. A. Farahmand.
**Stations:** Teheran 20 kW.

| kc/s | m | | kc/s | m | kW |
|---|---|---|---|---|---|
| 896 | 335.0 | Meshed Radio | 8007 | 37.46 | 0.075 |
| 3980 | 75.38 | Radio Isfahan | 6818 | 44.00 | 0.4 |
| 6155 | 48.74 | Radio Shiraz | 6845 | 43.83 | 0.075 |
| 9680 | 30.99 | Radio Tabriz | 6092 | 49.25 | 7 |
| 15100 | 19.87 | | | | |

**Daily Programs:**
**Radio Teheran** in Persian, English, French, Turkish, Russian and Arabic.
*Persian:* 02.30–04.30, 09.00–11.00, 14.00–18.30 m in 31 and 49 m.b.
*News:* 03.30, 10.30, 15.30, 17.30.
*Classical Music:* 12.30. – *Persian Music and Holy Talks from the Nahjne Balagha:* At different times. *English:* 20.00. – *French:* 19.30. – *Russian:* 20.30.
*Meshed Radio:* 14.30–16.30. – *Radio Isfahan:* 12.30–15.30.
*Radio Shiraz:* 15.30–18.30. – *Radio Tabriz:* 14.00–18.00.
**Announcement** (for Radio Teheran): in *English:* "This is Teheran". In *French:* "Ici Téhéran".
Radio Teheran broadcasts close down with clock-bells and the National Anthem.
**Verification** by letter. Return postage necessary.

## IRAQ

**Address:** Iraq Government Broadcasting Station Radio Baghdad, Iraq.
**Leading Personality:** Director Mr. Husian Al-Rahhal,
**Stations:** Radio Baghdad.
767 kc/s 391.1 m 0,5 kW – 7092 kc/s 42.30 m 0.5 kW
7062 kc/s 42.48 m 1 kW.
**Daily Programs** in *English* and *Kurdish* 13.00–17.00 on 7062 kc/s. – *News in English, Music:* 16.30–17.00.
**Daily Programs** in *Arabic* on 391 m and 42.30 m. from 04.25–06.00, 06.00–07.00 (Fri. only), 13.00–19.15.
**Announcement:** In *English:* "This is Radio Baghdad". In *Arabic:* "Hatheehee Barrda'd".
**Interval Signal:** Soft chirps of a mechanical nightingale.

## ISRAEL

**Population:** 1.180.000. **Licensed Listeners:** 127.146.
**Address:** Direction Kol Israel, Rue Melisande, P. O. Box 1082, Jerusalem. – Department of Broadcasting Kol Israel, Hikirya, P. O. Box 17, Tel-Aviv.
**Leading Personalities:** Director General P. T. T. and Radio, Mr. Z. Prihar. Director of Broadcasting, Dr. M. Solieli. Manager Jerusalem Mme Rita Persitz. Manager Tel-Aviv, Dr. I. Spira. Director of Music, Mr. Karel Salomon. Director of Kol Tsione La-Gola (Programs prepared by "l'Organisation Sioniste Mondiale pour la Diaspora"), Mr. M. Avida. Chief Engineer, Mr. M. E. Berman.
**Stations:**

| | | kc/s | m | kW |
|---|---|---|---|---|
| Tel-Aviv | 4XB36 | 575 | 521.7 | 50 |
| Jerusalem | 4XB39 | 737 | 407.06 | 20 |
| Haifa | 4XB35 | 1205 | 248.36 | 5 |
| Tel-Aviv | 4XB31 | 6830 | 43.82 | 50 |
| – | 4XB21 | 9009 | 33.30 | 50 |
| Haifa | 4XB24 | 8170 | 36.72 | 7.5 |
| Jerusalem FM* | 88.3 or 89.3 mg/c | | | 0.25 |
| Tel-Aviv FM* | 91.31 or 90.3 – | | | 0.25 |

*) In a near future FM broadcasts will take place on 6, 7, 9, 11, 16, 17 and 21 mc/s with power 50, 7.5, 2.5 and 1 kW.

**Daily Programs** for all stations exc. 9009 kc/s:
In *Hebrew:* 04.30–06.30, 08.00 (Sat. 06.45)–13.15 (Fri. 14.00), 14.00–21.15. In *Arabic:* 06.00–06.30, 12.15–13.00, 17.15–17.45. – On *9009 kc/s:* 17.00–22.45.
*News:*
*Hebrew:* 05.00, 06.30 (Sat.), 11.30, 16.00, 18.30, 20.25.
*Arabic:* 05.00, 11.15, 16.15.
*English:* 12.00–12.15, 20.15–20.25, and on 9009 kc only from 22.00–22.15.
*French:* 13.00–13.15, and on 9009 kc only from 17.40–18.00, 21.15–21.30.
*Ladino:* 17.20–17.40 (9009 kc/s only).
*Yiddish:* 17.00–17.20 ( – – – ) 20.30–20.50.
*Turkish:* 18.00–18.15 Tues. Thurs. (9009 kc/s only).
*Persian:* 18.15–18.30 Tues. Thurs. (9009 kc/s only).
*Rumanian:* 18.00–18.15 Sun. Wed. Sat. (9009 kc/s only).
*Hungarian:* 18.15–18.30 Sun. Wed. Sat. (9009 kc/s only).
**Programs in Hebrew and Arabic.**
*Daily exc. Sat.*

| | | | |
|---|---|---|---|
| 04.30 | Morning Prayer | 05.30 | Sat. only Morning Prayer and Israel Songs. |
| 04.35 | Morning Exercises | | |
| 04.45 | Musical Clock | | |
| 05.15 | Morning Melodies | 05.45 | Oriental Melodies |

06.00 Arabic Program
06.30 Close Down
08.00 Music (Sun. Turkish Program)
08.30 Music
10.00 Workers' Program (Sat. Forces Program)
10.30 For Hospitals (Request Concert)
11.00 Forces Program (Sat. Hebrew Litterature)
11.45 Housewife's Program prepared by l'Organisation Mondiale des Femmes Sionistes.
12.15 Arabic Program,
13.15 Close Down (Rri. Yemenite Program)
13.30 Fri. only: Welcome to Queen Sabbath
14.00 Program forYemenites (Fri. Close down Sat. Music)
14.30 Fri. only Classical Requests.
15.00 Sat. Opera.
16.15 Talk
16.30 Youth Program
17.00 Talk
17.15 Arabic Program
17.45 Bible
18.00 Forces Program
18.45 Talks Music and Features
20.30 Music
21.15 Close Down

**Highlights:**
*Israel Philharmonic Orchestra or Drama:* Sun. 18.45. *Songs of Israel:* Sun. 19.45, Mo. 20.00, Fri. 20.30. – *Variety:* Sun. 20.30. – *Feature on Rural Settlements or Music (407 m: Talmud):* Mo. 18.45. – *Symphony:* Tues. 19.00. – *Chamber Music:* Wed. 19.00. – *Ballet or Cantoral Music:* Wed. 20.30. – *Kol Israel Orchestra (Popular Program):* Thurs. 19.00. – *Soloists or Preclassical Music:* Thurs. 20.30. – *Bible Cantillations:* Fri. 18.20. – *Farewell to Queen Sabbath:* Sat. 19.00.

**Programs for Immigrants (on 9009 kc/s only).**
17.00 Yiddish. – 17.20 Ladino (Spaniolish). – 17.40 French. – 18.00 *Sun. Wed. Sat.:* Rumanian. *Tues. Thurs.:* Turkish. – 18.15 *Sun. Wed. Sat.:* Hungarian. *Tues. Thurs.:* Persian. – 18.30 General Program.

**»Kol Zion La Golah».**
Programs of the World Zionist Organisation to the Diaspora (Jews outside Israel).
20.30 Yiddish. – 21.15 French. – 22.00 English. – 22.45 Close Down.
Each Program consists of News, Music and Feature.
**Announcement:** "La Voix d'Israel". – "Kol Israel mi Yroushalayim": "La Voix d'Israel de Jerusalem". – "Kol Israel mi Tel-Aviv": "La Voix d'Israel de Tel Aviv".

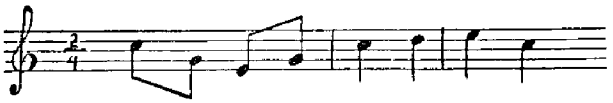
**Future Plans:** In 1951 foreign languages broadcasts will be extended to include Russian, Polish, Serbo-Croat, Czech, Scandinavian languages, Italian, special broadcasts to N. America, C. America, S. America and Asia.

## LEBANON (Republic of)

**Population:** 1.300.000. **Licensed Listeners:** approx 16.000.
**Address:** Lebanese Broadcasting Station, Beirut.
**Leading Personalities:** General Director of the Lebanese Press, Propaganda and Broadcasting Dept. Mr. Cheikh Fayez Makarem. Chief of Radio Division Mr. Fouad Kassem. Chief-Engineer Mr. J. Rouhayem.
**Stations:** Beirut

| | | | |
|---|---|---|---|
| 836 kc/s | 359 m | 7 kW | Beyrouth I |
| 989 – | 303 – | 7 – | Beyrouth II |
| 8036 – | 37.34 – | 2.5 – | |

Both frequencies are used during all seasons of the year. A 100 kW station is under construction and will be presented by the Lebanese emigrants in North and South America.
**Daily Programs** in *Arabic, French and English.* From 05.00–06.30, 11.00–12.30, 15.00–20.35.
*News:* Arabic 05.00, 11.00, 18.00. – French 05.30, 06.30, 11.30.
*Only Short Wave: Program in English* 15.00–16.00.
*Program in French* 19.00–20.15.
*Listeners' Request Concert:* Tues. 19.15–20.15. Sat. 19.15–20.15. Sun. 11.40–12.30, 19.30–20.15.
**Announcement:** After five minutes of the station's special signal, the Lebanese National Anthem is played and the broadcasts open with: In *Arabic* "Houna Beirut, Mahattat al' Iza'a al Loubnamiat, Beyrout", in *French* "Ici Beyrouth, Station de Radiodiffusion de la République Libanaise".
**Interval-Signal:** For medium- and short wave:



**Verification** by QSL card or letter.

## SAUDI ARABIA

**Address:** Saudi Arabia Broadcasting System, Djeddah.
**Leading Personality:** Chief Engineer Mr. John E. Morrow.
**Stations:** *Djeddah* 3 kW.

| | | | |
|---|---|---|---|
| 725 kc/s | 413.8 m | 9650 kc/s | 31.09 m 3) |
| 3950 – | 75.95 – 1) | 11750 – | 25.53 – 4) |
| 5957 – | 50.30 – 2) | 11950 – | 25.10 – 5) |

1) To Southern Red Sea Coast (Asir, Yemen, Aden).
2) To Northern Red Sea Coast (Egypt).
3) To Central Arabia, Persian Gulf area, Bahrein Islands.
4) To North Arabia, Syria, Lebanon.
5) To North Arabia, Iraq.

**Daily Programs** in *Arabic:* 05.30–06.15, 17.30–18.30.
**Announcement:** "Il-eza'a la' azikiyah l'ilmamlakat es Saoudiyah". – **Verification** by letter.

**Future Plans:** At present programs are broadcast only from Djeddah, but in the future the programs will be compiled in Mecca.

## SYRIA

**Population:** 3.450.000. **Licensed Listeners:** 30.000.
**Address:** The Syrian Broadcasting Station, Jamal Pasha Street, Damascus.
**Leading Personalities:** Director General of the Syrian Post, Telegraphs and Telephones Mr. Tawfic Hayam. Assistant Director General Mr. Youssef Kannani. Technical Director Mr. M. Reda Hamzeh. Director of Programs Mr. Nashaat Tughlubi.
**Stations:**
Damascus: 719 kc/s 417 m 50 kW.
Aleppo: 1007 – 198 – 20 – .
Damascus: 6000 kc/s 50.00 m 20 kW. – 7145 kc/s 41.99 m 20 kW. – 12000 kc/s 25.00 m 20 kW. – 17745 kc/s 16.90 m 20 kW.
The stations are temporarily 7.5 kW, but will soon be increased to the powers indicated above.

**DAILY PROGRAMS** in *Arabic, English, French* and *Turkish:*

*Fri.:* 04.45–08.00, 09.00–13.00, 16.00–22.00.
*Sun.:* 04.45–08.00, 09.30–13.00, 16.00–22.00.
*Other Days:* 04.45–06.00, 11.00–13.00, 16.00–22.00.

**News:** *English:* 11.00, 21.30. – *French:* 11.10, 21.40. – *Arabic:* 05.15, 12.15, 18.15, 20.15, 20.50. – *Turkish:* 11.40, 21.50.

**Musical Programs:**
*Daily:* European Music 11.30–12.00, Dance Music 21.00–21.30, Turkish Music 11.50.
*Fri. only:* Listeners Choice' of Turkish Program 11.30–12.00.
*Sun. only:* English Music 09.30–10.00, French Music 10.00–11.00, Listeners' Choice of Turkish Program 11.30–12.00.

**Announcement:** In *Arabic:* "Huna Damask". – In *English:* "Here is Damascus". – **Verification** by letter.

## TRANSJORDAN

**Address:** Hashemite-Jordan Broadcasting Station, Jerusalem.
**Stations:** Ramallah.
677 kc/s 443.1 m 20 kW – 7075 kc/s 42.50 m 00 kW.
**Daily Programs** in *Arabic:* 05.45–06.30, 11.45–12.30, 16.00–19.30. Progr. in *English:* 17.15–18.00.
**Announcement:** *Arabic:* "Houna il Kuds, il eza'a il Urduniya – Hashemiya". *English:* "This is the Hashemite-Jordan Broadcasting Station calling from Jerusalem".

## TURKEY

**Population:** 18.790.147. **Licensed Listeners:** 269.108.
**Address:** Turkish Press, Broadcasting and Tourist Department, Radio Branch, Ankara.
**Leading Personalities:** Director General of Press, Broadcasting and Tourist Department Mr. Ahmed Sükrü Esmer. Director of Radio Branch Mr. Cevat Memduh Altar. Director a. i. of Radio Ankara Mr. Afif Obay. Director of Radio Istanbul Mr. Hasan Refik Ertug.

| **Stations:** | | kc/s | m | kW |
|---|---|---|---|---|
| Ankara | TAR | 182 | 1648 | 150 |
| Malatya | TAY | 620 | 483.0 | 50 * |
| Istanbul | TAW | 704 | 426.1 | 150 |
| Izmir | TAZ | 971 | 308.9 | 50 * |
| Ankara I | TAN | 6000 | 50.00 | 20 ** |
| Ankara I | TAM | 7240 | 41.44 | 20 ** |
| Ankara II | TAS | 7285 | 41.18 | 100 |
| Ankara I | TAP | 9465 | 31.70 | 20 |
| Ankara II | TAT | 9515 | 31.53 | 100 *** |
| Ankara I | TAK | 11760 | 25.51 | 20 ** |
| Ankara II | TAO | 11880 | 25.25 | 100 ** |
| Ankara II | TAU | 15160 | 19.79 | 100 ** |
| Ankara I | TAQ | 15195 | 19.74 | 20 |
| Ankara I | TAD | 17720 | 16.93 | 20 ** |
| Ankara II | TAV | 17830 | 16.83 | 100 *** |
| Ankara II | TAX | 21660 | 13.85 | 100 ** |

*) under construction. **) will begin to operate at the end of 1950 or early in 1951. ***) testing.

**DAILY PROGRAMS on Medium Waves (in Turkish).**
**Home Service:**
*TAR: Mo.-Fri:* 05.30–07.00, 09.45–12.00, 15.00–21.45. *Sat.:* 05.30–07.00, 09.45–13.00, 14.00–22.00. *Sun.:* 06.30–12.45, 15.00–21.45,
*TAW: Mo.-Fri.:* 10.57–13.00, 15.57–21.30. – *Sat. Sun.:* 10.57–14.00, 15.57–22.00.
*News in Turkish* (TAW): 11.00, 17.00, 20.45.
*Symphony* (TAW): Tues. Fri. 17.20–18.00. – *Turkish Music* (TAW): Sun. Thurs. Fri. 19.20–20.00. Mo. 15.00–15.40. Tues. 19.00–19.40.
From April to October the programs can be heard one hour earlier.

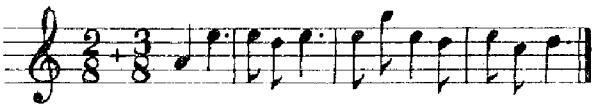
**DAILY PROGRAMS on Short Waves (News).**
10.30–12.00 on TAQ relay TAR
16.00–21.00 on TAP Foreign Service (News).

| | |
|---|---|
| 16.00 Urdu | 18.30 Bulgarian |
| 16.30 Arabic | 18.45 French |
| 16.45 Persian | 19.00 Serbo Croat |
| 17.00 Turkish (TAR) | 19.15 Hungarian |
| 17.30 Greek | 19.30 German |
| 17.45 Rumanian | 19.45 English |
| 18.00 Polish | 20.00 Relay TAR |
| 18.15 Commentary in Turkish (TAR) | |

21.00–21.45 (Sun. Thurs. 22.00) Special Program in *English* on TAP, TAS.: Announcement – News from Turkey, Music, Turkish Press Review, Political Commentaries and Talks on Turkey, Music. *Mail Bag:* Sun. 21.30. *Feature Talks:* Thurs. 21.30.

**Announcement:** TAR (in Turkish): "Turkiye Radyosu". TAW (in Turkish): "Burasi Istanbul Radyosu". *Short Wave* in Turkish: "Ankara Radyosu". In English: "This is Ankara".

**Interval-Signal:**



**Verification:** Radio Ankara by QSL card. Radio Istanbul by letter.

**Future Plans:** When the new 100 kW S.W.-Transmitter comes into regular operation, the scope and nature of the present programs will be extended with special broadcasts particularly to the United States, Latin America, Asia and the Far East. The Station is to operate as Ankara II.

In *Hebrew:* 04.30–06.30, 08.00 (Sat. 06.45)–13.15 (Fri. 14.00), 14.00–21.15. In *Arabic:* 06.00–06.30, 12.15–13.00, 17.15–17.45. – On *9009 kc/s:* 17.00–22.45.

*News:*
*Hebrew:* 05.00, 06.30 (Sat.), 11.30, 16.00, 18.30, 20.25.
*Arabic:* 05.00, 11.15, 16.15.

# EAST

## BURMA

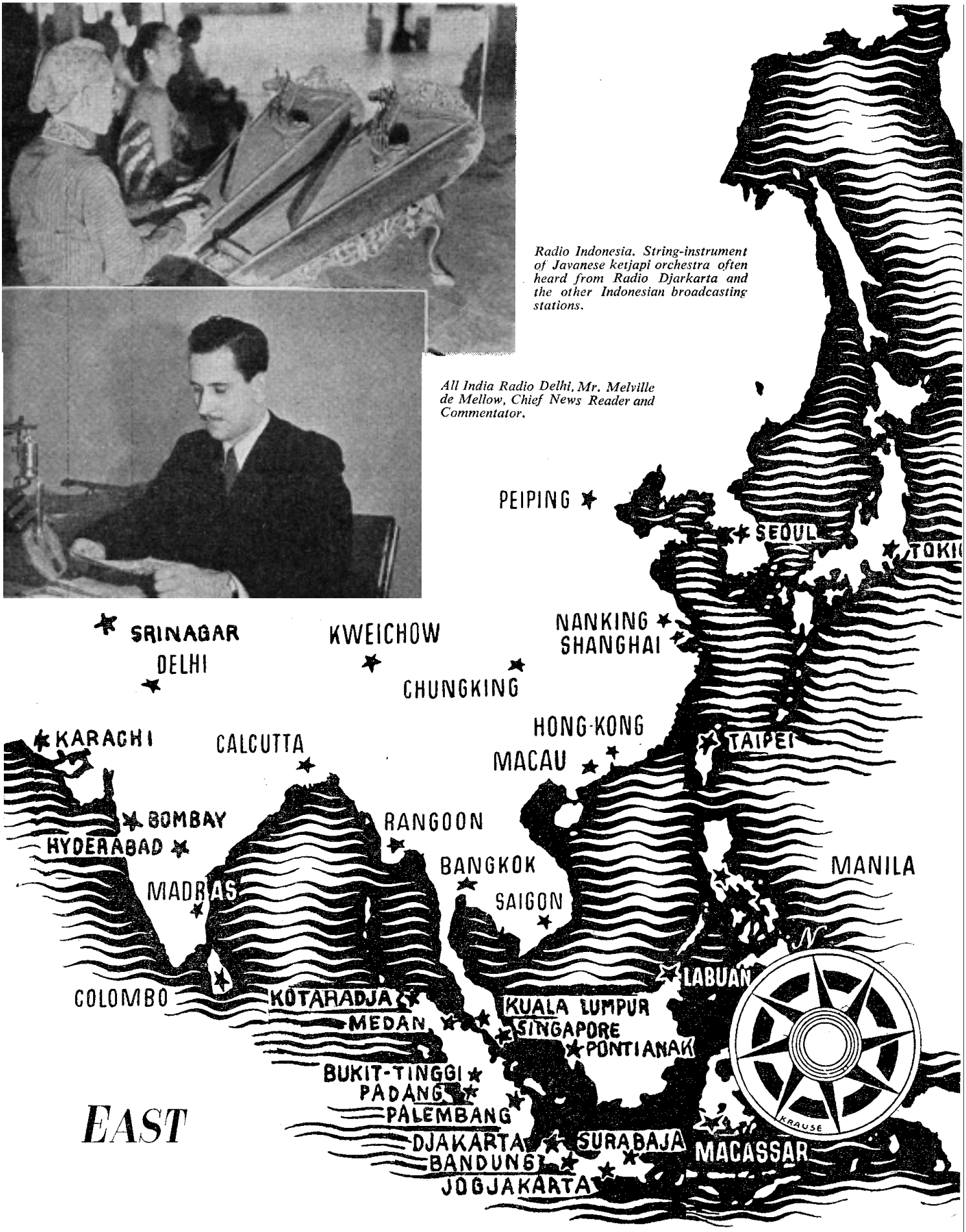
**Population:** 17.000.000. **Licensed Listeners:** 57.320.
**BURMA BROADCASTING SERVICE**
**Address:** 28, Windermere Crescent, Rangoon.
**Leading Personalities:** Director U. Khin Zaw. Chief Engineer, Mr. U. Pie Doe. Deputy Director of Broadcasting, Mr. U Pe Thaw.
**Stations:** *Rangoon* 7.5 kW.
955 kc/s 314 m 6035 kc/s 49.71 m
9540 – 31.44 – (not Mo.).

**DAILY PROGRAMS:**
**In English:** 01.15–01.30 on 9540 kc/s (not. Mo.), 06.15–

*Radio Indonesia. String-instrument of Javanese ketjapi orchestra often heard from Radio Djarkarta and the other Indonesian broadcasting stations.*



*All India Radio Delhi, Mr. Melville de Mellow, Chief News Reader and Commentator.*




map East Radio Indonesia Radio Djakarta All India Radio Melville de Mellow

06.45 on 9540, 6035 kc/s (not. Mo.), 14.15–15.15 on 6035 kc/s and 314 m.
*News:* 01.25 (not. Mo.), 06.30 (not. Mo.), 15.00. – *Program Preview* for next day: 15.13.
Wed. 14.15. – *"Spotlight on the Stars":* Tues. 14.15.
**In Burmese:** 01.00–01.15, 01.30–02.30 on 9540 kc/s (not. Mo.), 05.30–06.15, 06.45–07.30, on 9540, 6035 kc/s (not. Mo.), 12.00–14.15 on 6035 kc/s and 314 m.
*News:* 01.30, 07.15, 13.15. – *From Todays Papers:* 05.38 (not. Mo.)
**Announcement:** "This is the Burma Broadcasting Service, Rangoon".
**Interval Signal:** *English programmes:* Signature tune: Eric Coates' "Calling All Workers".
*Burmese Programms:* Signature tune: Burmese oboe, gongs and drums.
**Verification** by QSL cards.

**RADIO MANDALAY, MANDALAY**
**Station:** *Mandalay* 7370 kc/s 40.70 m 1 kW
**Daily Programs:** 10.00–13.30 (Sat. 15.00).
*English Request Program:* Sat. 11.30–12.30 (News at 12.00). Other Programs in native languages.
**Announcement:** "You are listening to Radio Mandalay".

## CEYLON

**Population:** 6.657.339. **Licensed Listeners:** 30.928.
**Address:** Radio Ceylon, Torrington Square, Colombo 7. or P. O. Box 582, Colombo. *Cable:* Radceylon. – B. B. C., P. O. Box 194, Colombo. – *Cable:* Loncalling.
**Leading Personalities:** *Radio Ceylon:* Director General of Broadcasting Mr. J. M. Lampson. Chief Engineer Mr. W. R. Fletcher. Director of Programs Mr. P. Thornton. Administrative Secretary Mr. H. E. S. Ranasinghe. – *B. B. C.:* Program Organiser Mr. J. F. Mudie.

**STATION: RADIO CEYLON:**
*Home Service:*

| kc/s | m | kW | kc/s | m | kW |
|---|---|---|---|---|---|
| 700 | 428.6 | 15 | 920 | 326 | 7.5 |
| 4900 | 61.23 | 7.5 | 6075 | 49.38 | 0.2 |

**Overseas Service:**
**B. B. C. Broadcasts** from Radio Ceylon. 100/7.5 kW. Operating on the following frequencies depending on propagation conditions:

| kc/s | m | kc/s | m | kc/s | m |
|---|---|---|---|---|---|
| 9520 | 31.51 | 11770 | 25.49 | 17730 | 16.92 |
| 9615 | 31.20 | 15120 | 19.84 | 17770 | 16.88 |
| 9825 | 30.52 | 15230 | 19.70 | 17820 | 16.84 |
| | | | | 21620 | 13.87 |

**DAILY PROGRAMS:**
**Home Service.** (Western).
13.00–13.45 (Sat. 14.15, Sun. 14.00), 17.45–19.30, 22.00 (Sat. Sun. 21.30)–04.00 (Sun. 03.30).
*News:* Daily: 07.30, Weekdays: 13.30. – *B. B. C. News Relays:* Daily 02.00, 16.00.
*Play:* Wedn. 14.30. – *Dance Music:* Wedn. 16.15, Sat. 16.30. – *Lessons in Sinhalese Thro'English:* Fri. 13.30, Sun. 06.00. – *Variety "live" Shows:* Sun. 13.30–13.55. –
**Overseas Service.** (B. B. C. Broadcasts).
08.25–14.00 on 17730, to China and Japan.
08.25–17.05 on 21620, to Fr. Indochina, Burma, Malaya.
14.10–17.05 on 15120, to India.
*News. English:* 11.00, 13.00, 16.00. *French:* 11.45.
*English Half Hour for Listeners in Far East:* 12.00.
*Program for Pakistan:* 14.30–15.00. – *Program for India:* 15.00–15.30. – *Parliamentary News:* 15.45–16.00.
**Announcements:** *Home Service:* "This is Radio Ceylon broadcasting on 326 metres (920 kc/s) and 49.38 metres (6075 kc/s)" or "You are listening to . . . etc". *B. B. C.:* "This is the BBC, broadcasting from R. Ceylon".
**Interval Signals:** *Home Service:*
*B. B. C.:* "Strike up the Band" on a Celeste.
**Verification** by QSL-cards. – International reply coupons where possible.

## CHINA

**THE CENTRAL PEOPLES BROADCASTING**
**Address:** The Peking New China Broadcasting Station, HSI Chàng An Chieh, Peking.
**Leading Personality:** Chief of Editorial Department, Mr. Wen Tsi Tso.

| Stations | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| Nanking | 5985 | 50.13 | 7 | Nanking | 9730 | 30.83 | 5 |
| Peking | 6095 | 49.22 | 1 | Peking | 10260 | 29.24 | 10 |
| Harbin | 7100 | 42.25 | 1 | Peking | 15060 | 19.92 | 10 |
| Peking | 7500 | 40.00 | 10 | Chungking | 15170 | 19.78 | 35 |
| Peking | 9040 | 33.19 | 10 | | | | |

**Daily Programs (International Service)** from Radio Peking, 10.00–15.30:
*News: English:* 13.30–14.00. – *Japanese:* 10.00. – *Indonesian:* 10.30. – *Vietnamese:* 12.00. – *Standard Chinese:* 13.00. – *Siamese:* 14.00. – *Burmese:* 15.00.
**Announcement:** *English* "This is Radio Peking". *Chinese* "Radio Hsin Hua".

## GOA (Portuguese India)

**Address:** Emissora de Goa, Goa, Portuguese India.
**Station:** *Goa* CR8A 9610 kc/s 31.22 m 1 kW.
**Daily Programs** in English and other local languages: On 9610 kc/s. 01.30 (Sun. 02.30)–17.30.
*Hindi Music:* Daily 09.30–11.30 (Sun. 10.30) *Concert Hall:* Weekdays 0530–06.30.
**Announcement:** In *English:* "This is Radio Goa".

## HONG-KONG

**Population:** 2.317.000. Licensed **Listeners:** 44.000.
**Address:** Program Secretary, Radio Hong Kong, Electra House, 3 Connaught Road Central, Hong Kong.
*Cable:* "Broadcasts".
**Leading Personalities:** Program Secretary Mr. C. L. Hindson. Chinese Program Secretary Mr. S. C. Lau. Music Secretary Mrs. E. Drown. Chief-Engineer: Mr. A. Bardens.
**Stations:** Hong Kong 2 kW. Frequencies are permanent.
ZBW 845 kc/s 355 m ZBW3 9525 kc/s 31.49 m
ZEK 640 kc/s 468 m
**Daily Programs:** ZBW English. ZEK Chinese.
*ZBW and ZBW3 on Weekdays:* 04.30–06.00. 10.00–15.30.
*Sun.:* ZBW: 02.00–15.30 ZBW 3: 02.00–06.00, 10.00–15.30.
*News in English:* 05.15. *News in Chinese:* 05.30.
*Saturday Roundup:* 12.15 Sat.
**Announcements:** *English:* "This is Radio Hong Kong". *Cantonese:* "Ni Shu Hi Heung Gong Quong Bor Din Toy".
**Verification** by letter. Return postage not required.

## INDIA

**Population:** 350.000.000. **Licensed Listeners:** 3.960.000. **Address:** Directorate General All India Radio, Broadcasting House, Parliament Street, New Delhi. *Cable:* "Airgeneral".

**Leading Personalities:** Director General Mr. N. A. S. Lakshmanan M.A. (Oxon), J.P. Chief Engineer Mr. B. V. Baliga, B.A., D.I.I.Sc., A.M.I.R.E. Deputy Director General Mr. C. N. Sen. Deputy Chief Engineers Mr. A. C. Ramchandani and Mr. T. D. Chatterjee. Director of Programs Mr. S. N. Chib. Director of Public Relations Mr. D. Raghavan. Director of Program Planning Mr. K. S. Mullick. Director of Staff Training School Dr. V. K. Narayana Menon. Director of News Services Mr. M. L. Chowia. Director of External Services Miss M. Masani.

**Stations:**

Delhi: VUD, VUD2, VUD4=10 kW. VUD3=5 kW. VUD5, VUD7=100 kW, VUD8, VUD9=7.5 kW. VUD10, VUD11=20 kW. H=Home Service. E=External Service.

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VUD | 886 | 338.6 H | VUD4 | 11830 | 25.36 H |
| VUD6 | 691 | 434 H | VUD7 | 11830 | 25.36 E |
| VUD2 | 3495 | 85.84 H | VUD8 | 11830 | 25.36 H |
| VUD2 | 4960 | 60.48 H | VUD4 | 11850 | 25.32 H |
| VUD3 | 6010 | 49.92 H | VUD7 | 11850 | 25.32 E |
| VUD9 | 6010 | 49.92 H | VUD11 | 11790 | 25.45 H |
| VUD2 | 6190 | 48.47 HE | VUD3 | 11830 | 25.36 H |
| VUD7 | 6190 | 48.47 H | VUD11 | 11850 | 25.32 E |
| VUD10 | 7225 | 41.52 HE | VUD7 | 11870 | 25.27 E |
| VUD10 | 7240 | 41.44 E | VUD8 | 11870 | 25.27 H |
| VUD5 | 7260 | 41.32 E | VUD7 | 11890 | 25.23 E |
| VUD8 | 7275 | 41.24 E | VUD11 | 15130 | 19.83 HE |
| VUD9 | 7275 | 41.24 H | VUD3 | 15160 | 19.79 H |
| VUD2 | 7290 | 41.15 H | VUD5 | 15160 | 19.79 HE |
| VUD8 | 7290 | 41.15 H | VUD7 | 15160 | 19.79 E |
| VUD7 | 9565 | 31.36 E | VUD10 | 15160 | 19.79 H |
| VUD3 | 9590 | 31.28 H | VUD5 | 15170 | 19.78 H |
| VUD7 | 9590 | 31.28 E | VUD10 | 15170 | 19.78 E |
| VUD5 | 9620 | 31.19 E | VUD5 | 15190 | 19.75 HE |
| VUD7 | 9620 | 31.19 E | VUD11 | 15190 | 19.75 E |
| VUD2 | 9630 | 31.15 H | VUD5 | 15210 | 19.72 HE |
| VUD3 | 9630 | 31.15 H | VUD11 | 15210 | 19.72 E |
| VUD4 | 9630 | 31.15 E | VUD3 | 15290 | 19.62 H |
| VUD10 | 9630 | 31.15 E | VUD5 | 15290 | 19.62 E |
| VUD11 | 9630 | 31.15 H | VUD9 | 15290 | 19.62 HE |
| VUD2 | 9660 | 31.06 H | VUD8 | 15350 | 19.54 H |
| VUD8 | 9660 | 31.06 H | VUD9 | 15350 | 19.54 H |
| VUD9 | 9660 | 31.06 H | VUD11 | 15350 | 19.54 E |
| VUD10 | 9660 | 31.06 E | VUD3 | 17760 | 16.89 H |
| VUD3 | 9670 | 31.02 H | VUD5 | 17760 | 16.89 E |
| VUD9 | 9670 | 31.02 H | VUD10 | 17760 | 16.89 E |
| VUD3 | 9680 | 30.99 H | VUD11 | 17760 | 16.89 E |
| VUD8 | 9680 | 30.99 HE | VUD10 | 17780 | 16.87 HE |
| VUD9 | 9680 | 30.99 H | VUD11 | 17780 | 16.87 H |
| VUD11 | 9680 | 30.99 H | VUD3 | 17830 | 16.83 H |
| VUD5 | 11710 | 25.62 E | VUD5 | 17830 | 16.83 E |
| VUD7 | 11710 | 25.62 E | VUD7 | 17830 | 16.83 HE |
| VUD7 | 11760 | 25.51 HE | VUD5 | 17840 | 16.82 HE |
| VUD10 | 11760 | 25.51 HE | VUD10 | 17840 | 16.82 H |
| VUD3 | 11790 | 25.45 H | VUD5 | 21510 | 13.95 H |
| VUD5 | 11790 | 25.45 E | VUD11 | 21510 | 13.95 H |
| VUD7 | 11790 | 25.45 E | VUD10 | 21700 | 13.82 H |
| VUD9 | 11790 | 25.45 H | | | |

**Bombay.** VUB, VUB2=10 kW. VUB3=0.25 kW.

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VUB | 1231 | 243 | VUB2 | 9550 | 31.41 |
| VUB2 | 4840 | 61.98 | VUB3 | 9550 | 31.41 |
| VUB2 | 7240 | 41.44 | VUB4 | | 353 |
| VUB3 | 7240 | 41.44 | | | |

**Calcutta.** VUC2=10 kW. VUC3=0.25 kW.

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VUC2 | 4880 | 61.48 | VUC3 | 7210 | 41.61 |
| VUC3 | 4880 | 61.48 | VUC2 | 9530 | 31.48 |
| VUC2 | 7210 | 41.61 | VUC3 | 9530 | 31.48 |

**Madras.** VUM2=10 kW. VUM3=0.25 kW.

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VUM2 | 4920 | 60.98 | VUM3 | 7260 | 41.32 |
| VUM3 | 6085 | 49.30 | VUM2 | 9590 | 31.28 |
| VUM2 | 7260 | 41.32 | VUM3 | 9590 | 31.28 |

**Mysore.** VUM7 6065 kc/s 49.46 m.

### OVERSEAS SERVICE

**Daily Programs from Delhi.**

| **English** | m. b. to |
|---|---|
| 01.30 News | 19–16 SE. Asia, Far East. |
| 04.15 News | 19–16 E. and S. Africa, Mauritius |
| 10.30 Program | 19–16 SE. Asia, Far East. |
| 13.30 News, Music | 19–16 SE. Asia, Far East. |
| 15.45 News | 25–19 E. and S. Africa, Mauritius |
| 19.00 News Music *) | 31–19 Europe |
| 23.30 Composite Prog. | 31–25–19 W. Indies |

*) Sat. 19.10–20.00 "Souvenirs" – Listeners Request Program.

| **Other Languages.** | m. b. |
|---|---|
| 00.45 *Tamil* | 19–16 SE. Asia, Far East |
| *Burmese* | 25–19 Burma |
| 01.00 *Hindi* | 19–16 SE. Asia, Far East |
| 11.00 *Hindi* | 19–16 SE. Asia, Far East |
| 11.15 *Burmese* | 19–13 Burma |
| 12.00 *Tamil* | 19–16 SE. Asia, Far East |
| *Indonesian* | 19–13 Indonesia |
| 16.00 *Hindi* | 25–19 E. and S. Africa, Mauritius |
| 17.30 *Persian* | 49–41–25–41 Iran, Near East |
| *Arabic* | 25–19 Saudi Arabia, Near East |
| **Recorded Indian Music.** | |
| 01.30 | 19–16 SE. Asia, Far East |
| 04.30 | 19–16 E. and S. Africa, Mauritius |

### HOME SERVICE

**DAILY PROGRAMS on Medium and Short Wave from: Delhi (North Regional Service) in English, Hindi, Urdu, Punjabi:**

*Weekdays:* 02.00–04.30, 07.00–08.20, 11.30–17.30.
*Sun.:* 02.00–08.20, 11.30–17.30.

**Bombay (West Regional Service) in English, Gujarati, Marathi, Hindi, Kannada:**

*Weekdays:* 02.00–03.30, 07.15–09.00, 10.50–17.30.
*Sun.:* 02.00–03.30, 05.30–09.00, 11.30–17.30.

**Madras (South Regional Service) in English, Telugu, Tamil, Malayalam, Kannada:**

*Weekdays:* 01.30–03.30, 07.00–09.30, 10.30–11.30, 12.00–17.00. – *Sun.:* 01.30–04.00, 07.30–11.30, 12.00–17.00.

**Mysore (South Regional Servoce) in English, Kannada:**

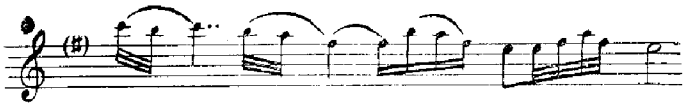
*Daily:* 01.30–03.00, 07.30–09.00, 12.00–16.30.

**Calcutta (East Regional Service) in English, Bengali, Hindi:**

*Weekdays:* 01.15–03.15, 07.00–09.30, 11.30–17.30.
*Sun.:* 01.15–03.45, 06.45–09.30, 11.30–17.30.

**News in English from all Stations:**
02.30 in 49–41–31–25–16 m. b.
08.00 in 49–41–31–25–19–16 m. b.
12.30 in 60–49–41–31–25–19–16 m. b.
15.30 in 60–49–41–31–25–19 m. b.

**Announcement:** "This is all India Radio" (in English).
**Interval-Signal:** All India Radio's signature tune is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are Violin, Viola, Cello and Tampura.



**Verification** by QSL card or letter.
**Future Plans:** The installation of high power transmitters as envisaged in the eight-year plan will now be taken up in due course. When completed, the plan is expected to provide adequate service for a population of over 150 million in India.

## INDOCHINA

**Population:** 25.000.000. **Licensed Listeners:** 105.000.

**RADIO FRANCE-ASIE (French Authority).**
**Address:** 86, Rue Mac Mahon, Saigon.
**Leading Personalities:** Director General Mr. Jean Varnoux. Head of English Dept. Mr. Jean Pipon. Head of Vietnamese Dept. Mr. Hoang Cao Tang.
**Stations:** Saigon 12 kW.
1050 kc/s 285.7 m – 11780 kc/s 25.47 m – 6165 kc/s 48.66 m.

**Daily Programs.**
*In French:*
23.15–00.30 News, Music. On 6165 kc/s
02.00–03.00 News at dictation speed on 6165, 11780 kc/s
09.00–10.00 Concert, Talk for the Forces on 6165 kc/s
12.00–13.30 News, Music on 6165, 11780 kc/s
13.30–14.30 Music on 6165 kc/s
14.30–14.45 News on 6165, 11780 kc/s
14.45–15.30 Relay from Paris on 6165, 11780 kc/s
*In English: News and Music.*
23.30–24.00 on 11780 kc/s. – 00.30–01.00 on 11780, 6165 kc/s. – 09.15–10.15 on 11780 kc/s. – 10.45–11.00 on 11780 kc/s. – 14.00–15.15 on 11780 kc/s.
*Listeners Letter Box:* Fri. 09.50, 14.30.
**Announcement:** "Ici Radio France-Asie La Voix de la France en Extréme-Orient". – "This is Radio France-Asie. The Voice of France in the Far East".
**Interval Signal:** Gong. – **Verification** by QSL card or letter.

**THE VOICE OF VIETNAM, SAIGON (Vietnamese Authority)**
**Stations:** Saigon.
7263 kc/s 41.30 m 1 kW. – 9670 kc/s 31.02 m 1 kW.
*News in English* 11.15.

**RADIO DALAT, DALAT (Vietnamese Authority)**
**Station:** Dalat 6180 kc/s 48.54 m 1 kW.
**Daily Programs:** 23.00–01.00, 13.30–14.30.

**RADIO HUÉ, HUÉ (Vietnamese Authority)**
**Station:** Hué 7205 kc/s 41.64 m 1 kW.
**Daily Programs:** 23.00–00.10, 03.00–05.00, 09.30–15.30. – **Verification** by QSL card.

**RADIO HANOI, HANOI (Vietnamese Authority)**
**Station:** Hanoi 6190 kc/s 48.47 m 1 kW.
**Daily Programs:** 00.00–01.30, 03.30–05.00, 10.20–14.00.

**RADIO CAMBODGE, PHNOM-PENH (Cambodian Authority)**
**Station:** Phnom-Penh 6090 kc/s 49.26 m 1 kW.
**Daily Programs:** 23.00–00.15, 04.00–05.30, 09.55–12.00.

## INDONESIA

**Population:** 72.000.000. **Licensed Listeners:** 125.000.
The official Broadcasting organisation Radio National Indonesia is part of the Ministry of Information of the Republic Indonesia.
**Address:** Head Office: Medan Merdeka Selatan 17, Djakarta, P.O. Box 7.
Besides the Central Studio Djakarta – origin of two Home programs for the whole of Indonesia and the foreign programs – 17 regional and local stations are under control. Several new stations are under construction.
**Leading Personalities:** Managing Director, Mr. R. Maladi. Head of Program Dept., Mr. R. Soemarmadi. Head of News Services, Mr. M. L. Rengkoe. Head of Technical Dept., Mr. M. P. Breedveld. Head of Financial Department, Mr. Soetardi Mardjoloekito. Head of Public Relations Dept., (to be named). Secretary, Dr. W. B. Meyboom.
**Announcement:** *Home Program:* "Radio National Indonesia", followed by name of town, where station is situated. – *Overseas Program:* "The Voice of Indonesia".
**Verification:** Reports are highly appreciated. They are to be sent to Radio National Indonesia, P.O.B. 7, Djakarta.

**STATIONS:**

**DJAKARTA.** (former Dutch name: Batavia) JAVA.
**Leading Personality:** Manager, Mr. J. Ronodipuro.
*Stations:*

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| YDB | 2240 | 133.9 | 0.3 | – YDB2 | 4910 | 61.1 | 0.3 |
| YDF | 6045 | 49.63 | 100 | – YDC | 15150 | 19.80 | 3 |

*Weekdays:*
22.30–00.45 *News* 22.30, 23.30, 00.30.
04.30–07.15 *News* 05.00, 06.00, 07.00.
09.30–15.30 *News* 11.30, 12.30, 14.30 (exc. YDB2, YDC).
*Sundays:*
23.30–07.15 *News* 23.30, 00.30, 05.00, 06.00, 07.00.
09.30–15.30 *News* 11.30, 12.30, 14.30 (exc. YDB2, YDC).

**Home Program in Dutch** (exc. 09.30–11.00).

| *Stations:* | kc/s | m | kW | |
|---|---|---|---|---|
| YDD | 2600 | 115.4 | 0.3 | |
| YDB3 | 7270 | 41.26 | 3 | (Target Sumatra) |
| YDE | 11770 | 25.49 | 3 | (Target East Indonesia) |
| YDA | 3390 | 88.5 | 3 | (Target Java) |

*Weekdays:*
22.30–00.45 *News* 22.30, 23.30, 00.30.
04.30–07.15 *News* 05.00, 06.00, 07.00.
09.30–15.30 *News* 11.30, 12.30, 14.30.
*Sundays:*
23.30–07.15 *News* 23.30, 00.30, 05.00, 06.00, 07.00.
09.30–15.30 *News* 11.30, 12.30, 14.30.

**Overseas Service.**
*Stations:*
YDF2 11785 kc/s 25.46 m 100 kW (Target India, Middle East, Europe).

Frequency 7220 kc/s may be used in European winter (Nov.–April).

| | kc/s | m | kW | |
|---|---|---|---|---|
| YDC | 15150 | 19.80 | 3 | |
| YDB2 | 4910 | 61.10 | 0.3 | (Target Malaya). |
| YDB3 | 7270 | 41.26 | 3 | (Target Indo China). |
| YDE | 11770 | 25.49 | 3 | (Target West Coast U S A). |

*Programs:*
11.00–12.00 English. Australia (YDC), Malaya (YDB2).
12.00–13.00 Chinese. China (YDC), Malaya (YDB2).
13.00–14.00 Arabic. South East Asia (YDC/YDB2).
14.00–15.00 Hindi-Urdu. India/Pakistan (YDC), Malaya (YDB2).
15.00–16.00 English. India/Pakistan (YDC), West Coast U.S.A. (YDE).
15.30–16.30 French. Indo China (YDB3), Malaya (YDB2).
16.00–17.00 Arabic. Middle East (YDF2/YDC).
17.00–18.00 French. Middle East, Europe (YDF2/YDC).
18.00–19.00 Dutch. Europe (YDF2).
19.00–20.00 English. Europe, New Zealand (YDF2).

**BANDUNG, JAVA.**
**Address:** Radio National Indonesia Bandung, Djalan Bukittunggul, Tjiumbuleuit, Bandung.
**Leading Personality:** Station Manager, Mr. R. Suratno Wirieatmodjo.
**Stations:**
YDA2 2415 kc/s 124,2 m 0.15 kW
YDA3 4945 – 60.61 – 3 –
YDA 3390 – 88.5 – 3 – modulated with the second Djakarta Program.
**Daily Programs:**
*Weekdays:* 22.30–00.30 04.30–07.15 09.30–15.30
*Sundays:* 23.30–07.15 09.30–15.30

**JOGJAKARTA, JAVA.**
**Address:** Radio National Indonesia Jogjakarta, Setjodiningratan 6, Jogjakarta.
**Leading Personality:** Manager, Mr. Hadisukanto.
**Stations:**
YDJ 5060 kc/s 59.3 m 3 kW
YDJ2 7100 – 42.25 – 1 –
YDJ3 2450 – 122.45 – 0.3 –
**Daily Programs:**
*Weekdays:* 22.30–00.15 04.30–07.15 09.30–15.30
*Sundays:* 23.30–07.15 09.30–15.30
YDJ2 is used only in period 09.30–15.30.

**SEMARANG, JAVA.**
**Address:** Radio National Indonesia Semarang, Padanaran 34, Semarang.
**Leading Personality:** Manager, Mr. J. van Holland.
**Stations:**
YDH 2500 kc/s 120 m 0.15 kW
YDH2 3945 – 76.05 – 1 –
**Daily Programs:**
*Weekdays:* 22.30–00.30 04.30–07.15 09.30–15.30
*Sundays:* 23.30–07.15 09.30–15.30

**SURAKARTA, JAVA.**
**Address:** Radio National Indonesia Surakarta, Djalan Marconi 3, Surakarta.
**Leading Personality:** Manager, Mr. R. M. Sahlan Hadisepoetro.
**Stations:**
YDG 3332 kc/s 90 m 1 kW
YDG2 2300 – 130 – 0.1 –
**Daily Programs:**
*Weekdays:* 22.30–00.45 04.30–07.15 09.30–15.30
*Sundays:* 23.30–07.15 09.30–15.30

**SURABAYA, JAVA.**
**Address:** Radio National Indonesia Surabaya, Kajoon 34, Surabaya.
**Leading Personality:** Station Manager, Mr. Harto.
**Stations:**
YDI2 3980 kc/s 75.38 m 5 kW
YDI3 7295 – 41.12 – 0.3 –
**Daily Programs:**
*Weekdays:* 22.30–00.30 04.30–07.15 09.30–15.30
*Sundays:* 23.30–07.15 09.30–15.30
YDI 3240 kc/s 92.59 m 1.2 kW is mainly relaystation for second Home Program from Djakarta.

**MADIUN.** (Java). Relay Station for Surabaya.
4160 kc/s 72 m 0.3 kW (soon to move into 120 m.b.).

**DJEMBER.** (Java). Relay Station for Surabaya.
Soon to be opened in 120 meter band.

**PURWOKERTO.** (Java). Relay Station.
Soon to be opened in 120 meter band.

**DEN PASAR.** (On the isle of Bali).
4840 kc/s 61.98 m 1 kW Soon to be opened.

**MAKASSAR.** (On the isle of Celebes).
**Address:** Radio National Indonesia Makassar, Djalan Mariso 2, Makassar.
**Leading Personality:** Station Manager, Mr. Kamarsjah.
**Stations:**
YDQ 9550 kc/s 31.41 m 8 kW
YDQ2 5030 – 59.64 – 0.3 –
**Daily Programs:**
*Weekdays:* 22.00–00.00 04.00–06.45 09.00–15.00
*Sundays:* 23.00–06.45 09.00–15.00

**MENADO.** (On the isle of Celebes).
**Address:** Radio National Indonesia Menado, Menado.
**Leading Personality:** Manager, Mr. S. Moeri.
**Stations:**
YDS 4865 kc/s 61.66 m 1 kW Soon to be reopened.
**Daily Programs:** *Weekdays* and *Sundays:*
10.00–15.00 *News* 11.30, 12.30, 14.30.

**BANDJERMASIN.** (On the isle of Borneo).
**Address:** Radio National Indonesia Bandjermasin, Sudimaran 6, Bandjermasin.
**Leading Personality:** Manager, Mr. Sastrohardje.
**Stations:** YDO 3380 kc/s 88.76 m 0.3 kW.
**Daily Programs:**
*Weekdays:* 22.30–23.45 09.30–15.30
*Sundays:* 23.30–00.30 09.30–15.30

**PONTIANAK.** (On the isle of Borneo).
**Address:** Radio National Indonesia Pontianak.
**Leading Personality:** Manager, Mr. Kartojo.
**Station:** YDW 2350 kc/s 127.6 m 0.25 kW.
**Daily Programs:** *Weekdays* and *Sundays:*
10.30–14.45 *News* 11.30, 12.30, 14.30.

**PALEMBANG.** (On the isle of Sumatra).
**Address:** Radio National Indonesia Palembang, Talang Djawa 7, Palembang.
**Leading Personality:** Manager, Mr. M. Arief.
**Station:** YDK 4855 kc/s 61.79 m 0.25 kW.
**Daily Programs:**
*Weekdays:* 23.00–01.00 05.00–07.15 10.00–16.00

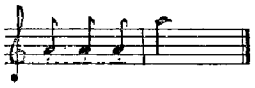
*Sundays:* 00.00–07.15 10.00–16.00
**PADANG.** (On the isle of Sumatra).
**Address:** Radio National Indonesia Padang, Sawahan 51, Padang.
**Leading Personality:** Manager, Mr. Burhany.
**Stations:**
YDL 7240 kc/s 41.44 m 0.3 kW
YDL2 2320 – 129 – 0.3 –
(YDL will be powered 7.5 kW soon).
**Daily Programs:**
*Weekdays:* 23.30–01.30 05.30–07.30 09.30–16.30
*Sundays:* 00.30–07.30 09.30–16.30
**BUKITTINGGI.** (On the isle of Sumatra).
**Address:** Radio National Indonesia Bukittinggi, Djalan Rumah Sakit 22, Bukittinggi.
**Leading Personality:** Station Manager same as Padang.
**Station:** YDM 3270 kc/s 91.75 m 0.3 kW.
**Daily Programs:**
*Weekdays:* 05.30–07.30 10.30–15.30
*Sundays:* 00.30–07.30 10.30–15.30
**MEDAN.** (On the isle of Sumatra).
**Address:** Radio National Indonesia Medan, Djalan Serdang 28, Medan.
**Leading Personality:** Manager, Mr. Lutan Toenaro.
**Station:** YDP 4930 kc/s 60.85 m 1 kW.
**Daily Programs:**
*Weekdays:* 23.30–01.30 05.30–08.15 10.30–16.30
*Sundays:* 00.30–08.15 10.30–16.30
YDP2 3230 kc/s 92.88 m 0.3 kW is mainly relay Station for Second Home Program from Djakarta.
**KUTARADJA.** (On the isle of Sumatra).
*Local Station* in 90 or 120 meter band will soon replace small transmitter on 8900 kc/s 33.7 m.

## JAPAN

**Population:** 80.000.000. **Licensed Listeners:** 8.687.748.
**THE BROADCASTING CORPORATION OF JAPAN TOKYO (NIPPON HOSO KYOKAI).**
**Leading Personalities:** President Mr. Tetsuro Furugaki. Vice-President Mr. Shigeru Kamatsu. Directors Mr. Shigenobu Okabe, Mr. Jiro Nanye, Mr. Yoshiyuki Kanagawa. Chief of Program Department Mr. Yoshikazu Kasuga. Chief of Technical Department Mr. Kei Mizogami. Chief of Public Relations Department Mr. Yukio Ikeda. There are at present no foreign language transmissions on short wave to serve foreign listeners. However, programs for home service are beamed on short wave without any change for the following purposes:
Network I–II: Relay for Domestic Service.
Network III: For Japanese nationals overseas.
**Stations:**
**Network I:**

| | | | |
|---|---|---|---|
| Tokyo JOAK | 590 kc/s | 508.5 m | 50 kW |
| Nazaki JKI | 4910 – | 61.10 – | 5 – |
| Yamata JKH | 7257 – | 41.34 – | 5 – |
| Nazaki JKI2 | 9655 – | 31.07 – | 5 – |
| *Network II:* | | | |
| Osaka JOBK | 670 kc/s | 447.8 m | 50 kW |
| Kawachi JKM | 4940 – | 60.73 – | 5 – |
| Nazaki JKJ | 7285 – | 41.18 – | 5 – |
| Kawachi JKM2 | 9695 – | 30.94 – | 5 – |
| *Network III:* | | | |
| Kawachi JBD | 9590 kc/s | 31.56 m | 7.5 kW |
| Kawashi JBD2 | 9560 kc/s | 31.38 m | 5 kW |
| – JBD3 | 15225 – | 19.70 – | 7.5 – |
| – JBD4 | 15235 – | 19.69 – | 5 – |

**Daily Programs** in *Japanese:*
*Network I:* JKI: 20.25–22.15, 07.55–14.00. JKH: 20.25–14.00. JKI2: 22.25–07.45.
*English Lessons:* 09.00. – *NKH Symphony Hall:* Wed. 11.00. – *World of Music:* Fri. 12.15.
*Network II:* JKM: 08.10–14.00. JKJ: 20.55–14.00· JKM2: 20.55–22.15–22.25–08.00.
*English Lessons:* 21.30. – *Radio Concert:* Mo. 11.00. Different programs are broadcast on Networks I & II in units of approximately 15 or 30 minutes.
*Network III:* JBD: 07.55–14.00. JBD2: 07.55–14.00. JBD3: 22.50–07.45. JBD4: 22.50–10.15.
Relay "National Program".
**Announcement:** Identification Call of NKH (Nippon Hoso Kyokai) is given 30 seconds before the close of each program, followed by station call: "JOAK (Network I Tokyo) – JOAB (Network II, Tokyo) – JOBK (Network I, Osaka) – JOBB (Network II, Osaka)". No station call is given on short wave for Japanese overseas (Network III).
**Interval Signal:** Three low piano notes followed by one high piano note **Verification** by letter.



### ARMED FORCES RADIO SERVICE

**Address:** Armed Forces Radio Service. Radio Station WVTR, APO. 500 c/o P. M. San Francisco, California.
**Leading Personalities:** Officer in Charge Mr. N. C. Ruddel, Maj'. C. A. C.
**Stations:** JKL 4860 kc/s 61.73 m – Yamata JKL2 9605 kc/s 31.24 m.
*Daily Programs* in *English:* JKL 08.15–14.33 – JKL2 20.45–08.00, 08.05–14.33 (Sat. 15.03).

## KOREA

**Radio Seoul** HLKA 7935 kc/s: 21.00–00.00, 03.00–10.30, 15.00–18.30.

## MALAYA

**BRITISH FAR EASTERN BROADCASTING SERVICE**
This Service operates under the control of BBC.
**Address:** British Far Eastern Broadcasting Service, Thomson Road Studios, P.O. Box 434, Singapore.
**Leading Personalities:** Head of Service· Mr. W. R. Baker. Resident Engineer, Mr. E. W. Hayes. Senior Program Assistant, Mr. P. J. Daly. Administrative Assistant, Mr. W. J. R. Cox.
**Stations:** Singapore 7.5 kW.
6175 kc/s 48.58 m* 11880 kc/s 25.25 m
9690 – 30.96 – 15300 – 19.60 –
*) beamed to Indonesia, other frequencies to Burma, Thailand, Indo-China, South China.
**Daily Programs:** 09.15–16.30 (on 9690 kc/s from 11.30). The Program consists of relays from the B.B.C. Services in English, Indonesian, Cantonese, French, Siamese, Dutch, Kuoyu and Burmese. Some locally originated material is broadcast in English.
*News in English:* 16.00. – *Radio Newsreel:* 14.30. – *English*

*Half Hour for the Far East:* 12.00. – *News in French:* 11.45. – *News in Dutch:* 13.15. – *Indonesian:* 10.30. –

**Announcement:** In *English:* "This is the British Far Eastern Broadcasting Service".
**Interval Signal:** A chime of two bells at 7 seconds interval.
**Verification** by letter or card.

**RADIO MALAYA**
**Address:** Department of Broadcasting, Cathay Building, Singapore.
**Leading Personalities:** Director, Mr. J. S. Dumeresque Deputy Directors, Mr. H. W. Jackson and N. Lloyd Williams. Director of Engineering, Mr. G. S. Miller. Program Director, Mr. P. C. Thorntow.

**Stations:** 10 kW.

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| Singapore | 4780 | 62.74 | Singapore | 6135 | 48.90 |
| Singapore | 4825 | 62.18 | Singapore | 7200 | 41.66 |
| Kuala Lumpur | 6025 | 49.79 | Singapore | 9715 | 30.88 |

**Daily Programs** in Malay, Chinese, Indian and English: 02.00–15.30.
In *English* on 7200 kc/s: *Weekdays:* 02.30–02.35, 05.30–06.30, 10.30–15.30. (Sat. 05.30–15.30). *Sun.:* 01.30–04.30, 05.30–15.30. *News:* 02.30, 06.00, 11.30, 14.00.

**Announcement:** "This is the Blue Network of Radio Malaya" followed by station identification.
**Interval Signal:** First phrase of Malaya Song: "Tenang Bulan", played on electric guitar.
**Verification** by QSL card or letter.

## PAKISTAN

**Population:** 80.260.000. **Licensed Listeners:** 500.000.
**Address:** Radio Pakistan Headquarters, 71 Garden Road, Karachi. – *Cable:* "Pakbrocast".

**Leading Personalities:** Controller of Broadcasting, Mr. Z. A. Bokhari. Deputy Controllers of Broadcasting, Mr. Rashid Ahmed and Mr. Ahmad Salman. Director of Engineering, Mr. Riaz Ahmad. Director of News, Mr. Mohamad Sarfraz. Director of External Services and Monitoring, Mr. G. K. Farid. Director of Staff Training Centre, Mr. S. S. Niazi. Director of Programs, Mr. S. A. Hafeez. Administrative Officer, Mr. A. D. Shaikh. Station Director, Dacca, Capt. A. Haque. Station Director, Karachi, Mr. Asnain Qutb. Station Director, Lahore, Agha Bashir Ahmad. Station Director, Peshawar, Capt. N. M. Rashed. Station Director, Rawalpindi, Mr. Mahmud Nizami. Maintenance Engineer, Mr. Bashir Ahmad. Research Engineer, Mr. S. A. Aziz.

**Stations:**

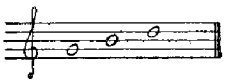
| | | | | | |
|---|---|---|---|---|---|
| Peshawar | APP | 629 kc/s | 476.9 m | 10 | kW |
| Karachi 1 | APK1 | 825 – | 363.6 – | 10 | – |
| Lahore 2 | APL2 | 6075 – | 49.38 – | 0.3 | – |
| Dacca 2 | APD2 | 7140 – | 42.02 – | 7.5 | – |
| Karachi 2 | APK2 | 9645 – | 31.10 – | 50 | – |
| Karachi 3 | APK3 | 11570 – | 25.93 – | 50 | – |
| Karachi 2 | APK2 | 11885 – | 25.24 – | 50 | – |
| Karachi 3 | APK3 | 11885 – | 25.24 – | 50 | – |
| Karachi 3 | APK3 | 15270 – | 19.65 – | 50 | – |
| Karachi 3 | APK3 | 15335 – | 19.56 – | 50 | – |

**Daily Programs:**
On 629, 925 kc/s: 01.55–04.00 (Sun. 04.30), 06.30–08.30*) (Fri. 07.30), 12.00–17.30.
On 6075 kc/s: 02.00–04.00 (Sun. 04.30), 06.30–08.30 (Fri. 07.30), 12.00–17.30.
On 7140 kc/s: 01.30–03.00 (Sun. 03.30), 05.30–07.30 (Fri. 06.30), 11.00–16.00.
On 9645 kc/s: 02.00–04.00 (Sun. 04.30), 14.15–15.45, 16.00–17.00.
On 11570 kc/s: 12.00–15.45.
On 11885 kc/s: 06.30–08.30 (Fri. 07.30), 12.00–13.15, 16.00–18.30, 19.00–19.45.
On 15270 kc/s: 06.10–08.30. On 15335 kc/s: 01.45–04.00.
*) closing at 08.00 on 629 kc/s.

**News in English:**
02.00 on 6075, 7140, 9645, 15335 kc/s (+ M. W.)
06.10 on 7140, 15270 kc/s.
07.10 on 6075, 11885, 15270 kc/s (+ M. W.).
12.00 on 6075, 7140, 11570, 11885 kc/s (+ M. W.).
15.15 on 6075, 7140, 9645, 11570 kc/s (+ M. W.).
*Talks in English:* On 7140 kc/s: 12.35 Tues., Thurs., Sun. *Recitation from the Holy Bible in English* on 7140 kc/s: 02.40 (last Sun.). Talks in English on 6075 kc/s: 21.30, Mo., Tues., Sun. *Western Music:* On 11885, 15270 kc/s: 08.00–08.30. Daily exc. Fri.
**External Services:**
These programs consist of News, Music and Talks about Pakistan.
*Burmese Service:* 13.30–14.15 on 7140, 11570 kc/s.
*Iranian Service:* 16.00–16.45 on 11885 kc/s.
*Afghan-Persian Service:* 16.00–17.00 on 9645, 629 kc/s.
*News for East Africa (English):* 17.30–17.45 on 11885 kc/s.
*Arabic Service I:* 17.45–18.30 on 11885 kc/s.
*Arabic Service II:* 19.00–19.45 on 11885 kc/s.
**Announcement:** In English: "This is Radio Pakistan".
**Verification** by QSL card.

## THAILAND

**Population:** App. 18.000.000. **Licensed Listeners:** 46.211.
**The Thai National Broadcasting Station.**
**Address:** The Thai National Broadcasting Station, Publicity Department, Bangkok.
**Leading Personalities:** Director-General, Major-General Surajit Charusareni. Assistant Director-General, Mr. Prasong Hongsanan. Manager Overseas Service, Mr. Witt Siwasariya-non.
**Stations:** Bangkok. HS8PD 1 kW. 15910 kc/s 18.86 m. – 11960 kc/s 25.10 m. – 6115 kc/s 49.60 m.
**Daily Programs** in *English* from 10.00–11.30.
**Announcement:** "This is the Overseas Broadcasting Station of Thailand".
**Interval Signal:** National Song and three chimes.



**Verification** by QSL card or letter.
**Future Plans:** A 10 kW transmitter under construction.

## TAIWAN (Formosa)

**Address:** Taiwan Broadcasting Station, Taipeh, Taiwan.
**Leading Personalities:** Head of the Audience Service Section, Mr. Chang Shui-yu.
**Stations:** Taipeh 10 kW. The Voice of Free China.
BED7 7151 kc/s 41.96 m. – BED4 11800 kc/s 25.42 m. BED3 15235 kc/s 19.69 m.

**Daily Programs.**
BED3: 04.00–06.00 (to U.S.A.). – BED4, BED7: 10.00–16.30. – **Verification** by letter. – **News in English** 11.30.

# PACIFIC

## AUSTRALIA

**Population:** 8.000.000. **Licensed Listeners:** 2.000.000.

**AUSTRALIAN BROADCASTING COMMISSION**

The Australian Broadcasting Commission supplies programs for the National Broadcasting Service, which transmits programs by medium and short wave to the whole of Australia and Papua, New Guinea. It also controls a short wave service, "Radio Australia", which transmits programs to various countries overseas.

**Address:** *Home Service* – Australian Broadcasting Commission, Box 487 GPO, Sydney.

*Overseas Service*–as above, but listeners' enquiries should be sent to: "Radio Australia", Box 780 H. GPO., 475 Collins Street, Melbourne C. 1.

**Leading Personalities:** Chairman Mr. R. J. F. Boyer, Vice-Chairman Mr. E. R. Dawes. General Manager Mr. C. J. A. Moses. Assistant General Manager Mr. A. N. Finlay. Controller of Programs Dr. K. L. Barry. Controller of Administration Mr. A. L. Holman.

**OVERSEAS SERVICE**

**Stations: Shepparton. VLA – 100 kW.**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VLA | 7280 | 41.21 | VLA 6 | 15200 | 19.74 |
| VLA 2 | 9615 | 31.20 | VLA 7 | 17800 | 16.85 |
| VLA 3 | 9680 | 30.99 | VLA 8 | 11760 | 25.51 |
| VLA 4 | 11770 | 25.49 | VLA 8 | 11810 | 25.40 |
| VLA 4 | 11850 | 25.32 | VLA 8 | 11880 | 25.25 |
| VLA 5 | 15320 | 19.59 | VLA 9 | 21600 | 13.89 |
| VLA 5 | 15230 | 19.70 | VLA 10 | 17840 | 16.82 |
| VLA 6 | 15220 | 19.71 | VLA 11 | 9580 | 31.32 |

**Shepparton. VLB – 100 kW.**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VLB | 9540 | 31.45 | VLB 7 | 17800 | 16.85 |
| VLB 2 | 9680 | 30.99 | VLB 8 | 21600 | 13.89 |
| VLB 2 | 9650 | 31.09 | VLB 9 | 9615 | 31.20 |
| VLB 3 | 11760 | 25.51 | VLB 9 | 9580 | 31.32 |
| VLB 3 | 11770 | 25.49 | VLB 10 | 11740 | 25.55 |
| VLB 4 | 11810 | 25.40 | VLB 10 | 11880 | 25.25 |
| VLB 4 | 11850 | 25.32 | VLB 11 | 15160 | 19.79 |
| VLB 5 | 21540 | 13.93 | VLB 11 | 15320 | 19.59 |
| VLB 6 | 15200 | 19.74 | | | |

**Shepparton. VLC – 50 kW.**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VLC | 15200 | 19.74 | VLC 7 | 11840 | 25.35 |
| VLC 2 | 9680 | 30.99 | VLC 8 | 7280 | 41.21 |
| VLC 3 | 11870 | 25.27 | VLC 8 | 7240 | 41.44 |
| VLC 3 | 11760 | 25.51 | VLC 9 | 17840 | 16.82 |
| VLC 4 | 15320 | 19.59 | VLC 9 | 17800 | 16.85 |
| VLC 5 | 9540 | 31.45 | VLC 10 | 21680 | 13.84 |
| VLC 6 | 9615 | 31.20 | VLC 11 | 15210 | 19.72 |
| VLC 7 | 11810 | 25.40 | VLC 11 | 15220 | 19.71 |

**Lyndhurst. VLG – 10 kW.**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| VLG | 9580 | 31.32 | VLG 6 | 15320 | 19.59 |
| VLG 2 | 9540 | 31.45 | VLG 7 | 15160 | 19.79 |
| VLG 3 | 11710 | 25.62 | VLG 8 | 9680 | 30.99 |
| VLG 4 | 11840 | 25.35 | VLG 9 | 11900 | 25.21 |
| VLG 5 | 11880 | 25.25 | VLG 10 | 11760 | 25.51 |
| VLG 6 | 15240 | 19.69 | VLG 11 | 15210 | 19.72 |
| VLG 6 | 15230 | 19.70 | VLG 11 | 15200 | 19.74 |

**OVERSEAS SERVICE – DAILY PROGRAMS:**

**In English:**

BI=British Isles. E=Europe. FJ=Forces in Japan. SEA =South East Asia. NAW=North America West. A= Africa. TF=Tahiti (French). ICF=Indo-China (French). NZ=New Zealand. NCF=New Caledonia (French). NA =North Asia. NAF=North America (French). NAC= North America Central. NAJ=North Asia and Japan.

| | | | | | |
|---|---|---|---|---|---|
| 20.00–23.00 | (iii) | VLC | 15200 | 19.74 | BI, E. |
| | (iii) | VLA 8 | 11760 | 25.51 | BI, E. |
| 20.29–23.00 | (iii) | VLB 11 | 15160 | 19.79 | FJ. |
| 23.00–00.50 | (i) (iv) | VLC | 15200 | 19.74 | SEA. |
| 23.15–00.50 | (i) (v) | VLA 10 | 17840 | 16.82 | SEA. |
| 00.50–03.30 | (iv) | VLG 11 | 15210 | 19.72 | SEA. |
| 02.45–04.15 | (ii) | VLB 5 | 21540 | 13.93 | FJ. |
| | (ii) | VLC | 15200 | 19.74 | SEA. |
| 02.45–04.30 | (ii) | VLA 10 | 17840 | 16.82 | SEA. |
| 04.30–05.45 | | VLC | 15200 | 19.74 | NAW. |
| | (vii) | VLB 5 | 21540 | 13.93 | A. |
| 04.30–06.55 | | VLA 10 | 17840 | 16.82 | SEA. |
| 06.00–06.40 | | VLG 11 | 15210 | 19.72 | TF. |
| | | VLC | 15200 | 19.74 | ICF. |
| 06.55–08.15 | | VLA 10 | 17840 | 16.82 | BI, E. |
| | | VLC 4 | 15320 | 19.59 | BI, E, NZ. |
| | (vii) | VLB 3 | 11760 | 25.51 | BI, E, NZ. |
| 07.00–07.30 | (viii) | VLG 11 | 15210 | 19.72 | Thailand. |
| 07.45–08.45 | | VLG 11 | 15210 | 19.72 | NCF. |
| 08.28–21.30 | (ix) | VLC 4 | 15320 | 19.59 | ESA. |
| 08.28–09.50 | (x) | VLB 4 | 11850 | 25.32 | NAJ. |
| 08.28–13.55 | | VLA 6 | 15200 | 19.74 | FJ. |
| 10.00–14.00 | | VLB 4 | 11850 | 25.32 | SEA. |
| 12.00–14.00 | | VLC 4 | 15320 | 19.59 | NAF. |
| 14.00–15.00 | | VLA 6 | 15200 | 19.74 | BI, E. |
| | | VLB 4 | 11850 | 25.32 | SEA. |
| | | VLC 4 | 15320 | 19.59 | NAC. |
| 15.00–16.15 | | VLB 4 | 11850 | 25.32 | SEA. |
| | | VLC 4 | 15320 | 19.59 | NAW. |
| 15.15–16.15 | | VLA 4 | 11770 | 25.49 | A. |

(i)=Until 02.00 Sat. and Sun. – (ii)=From 02.00 Sat. and Sun. – (iii)=Until 23.15 Sat. – (iv)=From 23.15 Sat. – (v)=From 23.28 Sat. – (vi)=Not on Sat. and Sun. – (vii)=Not on Sat. – (viii)=Fri. only. – (ix)=Indonesian language daily 10.30–11.00. – (x)=Dictation speed news daily 09.30-09.50.

**In French:** *Every Program consists of News, Program Preview, Music and Talk.*

06.00–06.40 France, Indochina on 15200 kc/s, Tahiti on 15210 kc/s.

07.45–08.45 New Caledonia on 15210 kc/s.

**In Indonesian:** 10.30–11.00 on 15320 kc/s.

**In Siamese (Thai):** 07.00-07.30 Fri. on 15210 kc/s to Siam.

**Announcements:** "This is Radio Australia calling in the Overseas Service of the Australian Broadcasting Commission" or "This is Australia transmitting the Overseas Service of the A. B. C."

**Time Signal:** The time signal, represented by 6 "pips" is transmitted on the hour by "Radio Australia", and originates in the Research Laboratory of the Postmaster-General's Department in Melbourne.

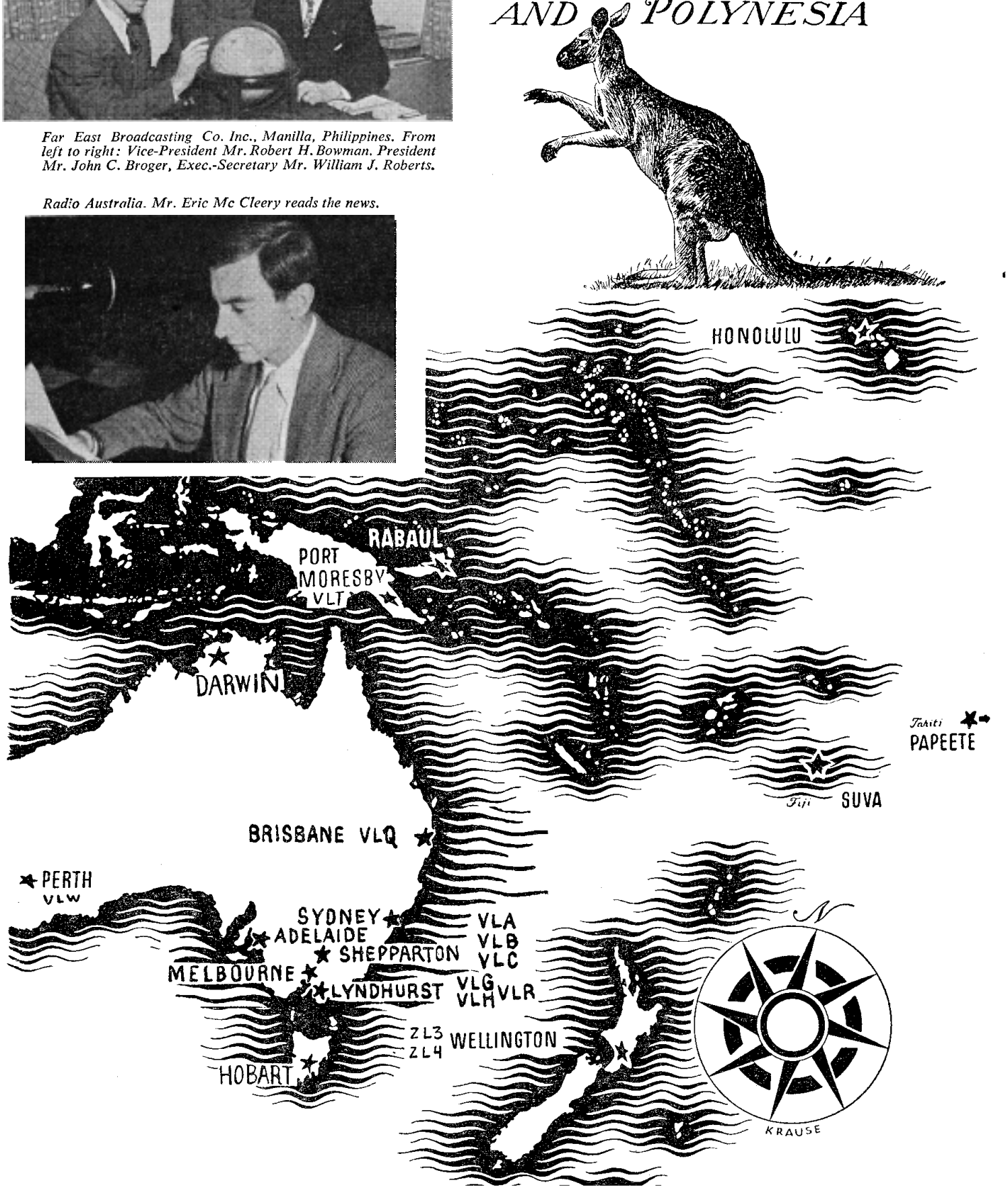
**Interval Signal:** Musical box rendition of "Waltzing Matilda" is played for five minutes preceding transmissions. Transmissions commence with clock chimes and the laugh of the Kookaburra. Gongs are used as program cues only. "Waltzing Matilda" in march tempo precedes and con-

*Far East Broadcasting Co. Inc., Manilla, Philippines. From left to right: Vice-President Mr. Robert H. Bowman. President Mr. John C. Broger, Exec.-Secretary Mr. William J. Roberts.*

*Radio Australia. Mr. Eric Mc Cleery reads the news.*



# AUSTRALIA AND POLYNESIA




map Australia Polynesia FEBC Manila Far East Broadcasting Corporation Robert H. Bowman John C. Broger William G. Roberts Erle Mc Cleery

cludes all News Bulletins. Indonesian transmissions open with "Waltzing Matilda" played on piano-accordian with instrumental ensemble. Siamese transmissions open with "The People,s Song" and conclude with the Siamese National Anthem. **Verification** by QSL-cards.

**HOME SERVICE:**

**Stations:** *Sydney* VLI 2 kW.

VLI2 6090 kc/s 49.26 m: 20.00–22.45, 08.30–13.30
VLI3 9500 – 31.58 – 23.00–08.15

*Melbourne* VLH 10 kW

VLH3 9580 kc/s 31.32 m: 08.30–13.30
VLH4 11880 – 25.25 – 20.00–23.15
VLH5 15230 – 19.70 – 23.30–08.15

*Melbourne* VLR 5 kW

VLR 9540 kc/s 31.45 m: 22.30–08.30
VLR2 6150 – 48.78 – 20.00–22.15, 08.45–13.00

*Brisbane* VLQ 10 kW

VLQ3 9660 kc/s 31.06 m: 20.00–13.30

*Brisbane* VLM 0.2 kW

VLM 4917.5 kc/s 61.01 m: 20.00–13.30

*Perth* VLW 2 kW

VLW3 11830 kc/s 25.36 m: 02.30–10.00
VLW5 9610 – 31.21 – 22.00–02.15, 10.15–15.30

*Perth* VLX 10 kW

VLX2 4897 kc/s 61.26 m: 22.00–02.15, 10.15–15.30
VLX3 9610 – 31.21 – 02.30–10.00

*Port Moresby* VLT 2 kW

VLT5 7280 kc/s 41.21 m: 20.45–22.45, 08.15–12.45
VLT7 9630 – 31.15 – 02.00–03.45, 06.00–08.00

**Announcement:** "This is the A. B. C.".

**Interval Signal:** The time signal, represented by 6 "pips" is transmitted on the hour by the A. B. C.

## HAWAII

**ARMED FORCES SERVICE**

**Address:** A.P.O. 500, San Francisco, California.

**Stations:** Honolulu 100 kW.

9650 kc/s 31.09 m – 15250 kc/s 19.67 m
11790 – 25.45 – – 15330 – 19.57 –
15130 – 19.83 – – 17800 – 16.85 –

**Daily Programs:** Relay of United Nations and U.S.A. Program to the Pacific and Orient: 07.15–08.45, 10.15–10.30. Relay United Nations: 09.00–10.15, 10.30–14.15. Relay U.S.A. – Further details see USA.

**Verification** by QSL card.

## NEW CALEDONIA

**Address:** Radio Noumea "La Voix de la France dans le Pacifique, Service de l'Information Noumea".

**Stations:** Noumea.

3400 kc/s 88.24 m 0.5 kW – 6035 kc/s 49.71 m 0.5 kW

**Daily Programs** in *French:* 00.00–01.00, 07.00–10.40.

**Announcement::** "Noumea, La Voix de la France dans le Pacifique".

## NEW ZEALAND

**Population:** 1.914.120. **Licensed Listeners:** 451.426.

**Address:** Radio New Zealand, P. O. Box 3045, Wellington. *Cable:* "Natbroadcast". Wellington, N. Z.

**Leading Personalities:** Director Mr. William Yates. Chief Engineer Mr. W. L. Harrison. Programme Supervisor Mr. N. del' H. Williams.

**Stations:** Wellington 7.5 kW.

ZL2 9540 kc/s 31.45 m ZL4 15280 – 19.63 –
ZL8 9620 kc/s 31.19 – ZL10 15220 – 19.71 –
ZL3 11780 – 25.47 –

**Daily Programs:**

18.00–20.45 on ZL3, ZL8. Relay Home Program.
21.00–06.45 on ZL10, ZL4. Relay Home Program.
07.00–10.30 on ZL3, ZL8. "Calling Australia and the Islands". 10.00–11.20: Relay Home Program.

*News:* Daily 08.30 exc. Sun. *Mail Box. Reply to listeners:* Fri. 09.15. – *New Zealand Artists:* Sun. 08.45, Tues. 07.15, Sat. 08.40. – *Song and Story of the Masri:* Sun. 07.45, Thurs. 09.03. – *This is New Zealand:* Wed. 08.00. – *The Listeners' Digest:* Sat. 08.00.

**Announcement:** "This is Radio New Zealand, the Shortwave Division of the New Zealand Broadcasting Service", or "This is New Zealand Calling".

**Interval Signal:** Call of native bird, the Tui.

**Verification** by QSL-card.

## PHILIPPINE ISLANDS

**Population:** 19.800.000. **Licenced Listeners:** 91.588.

**MANILA BROADCASTING COMPANY (Commercial)**

**Address:** 7th Floor, Insular Life Building, Manila.

*The Voice of Cebu:* Colon Street, Cebu City.

**Leading Personalities:** President, Mr. Frederico Elizalde, Vice President, Mr. William J. Dunn. General Manager Mr. W. H. Wallace. Exec. Chief Engineer, Mr. James Laschiever. General Manager DZRH and DZMB Mr. Hal Bowie.

**Stations:** *Manila* (DZ) and *Cebu* (DY).

| | kc/s | m | kW | | kc/s | m | kW | |
|---|---|---|---|---|---|---|---|---|
| DYRC | 600 | 500.0 | 1 | DZH4 | 6000 | 50.00 | 1 | *) |
| DZRH | 650 | 461.5 | 27.5 | DYH2 | 6140 | 48.86 | 0.5 | **) |
| DZMB | 760 | 394.7 | 1 | DZH2 | 9640 | 31.12 | 1 | ***) |

*) relay DZMB. **)relay DYRC. ***) relay DZRH.

**Daily Programs** from 21.00–16.00.

*On* 9640 *kc/s in English from* 21.00–16.00*: News:* 22.45, 00.00, 05,00. 08.55, 14.00. Other programs consist of music and entertainment.

*On* 6000 *kc/s in English from* 21:00–16.00*: News:* 22.00, 23.00, 04.00, 15,55. Other programs consist of music and entertainment.

*On* 6140 *kc/s in English from* 21.00–16.00*: News:* 11.00 and 12.30.

**Announcements:** *DZH-2:* "This is MBC, the Manila Broadcasting Company" followed by three chimes c, a and f, and "This is DZH-2, The Voice of the Philippines". *DZH-4:* "This is MBC, the Manila Broadcasting Company DZH-4, Manila". *DYH-2:* "This is CBC, the Cebu Broadcasting Company" followed by three chimes and "DYH-2, Cebu".

**Interval Signal:** Every hour on the hour an automatic half second time tone.

**PHILIPPINE BROADCASTING CORP. (Commercial)**

**Addresses:** *DZP-1/DZH-3:* 4th Floor, Ramon Races Building, Manila. *DZAB/DZH-5:* Town House, Dervey Boulevard, Manila. *DYBU/DYH-3:* Gotiaoco Building, Calle Comercio, Cebu City.

**Leading Personalities:** President Mr. Antonio Prieto. Assistant General Manager Mr. Noel Araneta.

**Stations:** *Manila* (DZ) and *Cebu* (DY).

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DZP1 | 800 | 375.0 | 10 | DYH3 | 6100 | 49.18 | 0.25 | *) |
| DZAB | 860 | 348.8 | 1 | DZH3 | 9500 | 31.58 | 1 | **) |
| DYBU | 1250 | 240.0 | 1 | DZH-5 | 9690 | 30.96 | 0.25 | ***) |

*) relay DYBU. **) relay DZP1. ***) relay DZAB.

**Daily Programs:**
*On* 6100 *kc/s:* 21.00–16.05. *On* 9500 *kc/s:* 21.00–16.05. *On* 9690 *kc/s:* 10.00–14.00.
**Announcement:** *DZP1/DZH3:* "Radio Philippines". *DZAB/DZH5:* "The Station of the Stars". *DYBU/DYH3:* "Cebu Calling". **Verification** by QSL-card.

### THE FAR EAST BROADCASTING CO.

*Non-Commercial Missionary Broadcasting Station.*
**Address:** The Far East Broadcasting Co., Box 2041, Manila. – *Cable:* Febcom, Manila.
**Leading Personalities:** President Mr. John C. Broger. Vice-President Mr. Robert Bowman. Secretary General Mr. Wm. J. Roberts. Chief Engineers Mr. Ben Bengco. Assist. Manager, Mr. M. D. Atienas.
**Stations:** *Manila.*

| | kc/s | m | kW | | kc/s | m | kW | |
|---|---|---|---|---|---|---|---|---|
| DZAS | 680 | 441.2 | 10 | DZH7 | 9730 | 30.83 | 3 | *) |
| DZB2 | 3320 | 90.36 | 10 | DZH8 | 15300 | 19.60 | 2 | **) |
| DZH6 | 6030 | 49.75 | 1*) | | | | | |

*) Direction West. **) Direction N. E.

**Daily Programs for DZAS, DZH6, DZH7:** Daily 08.00–14.00, Sun. also 01.00–04.00.
*News in English:* Weekdays 10.00, 13.30.
*Programs in English:* 12.00–14.00 (exc. DZH7 13.00–13.30) *Hello Neighbor.* Greets neighbouring countries with Philippine music and cultural items: Mo. 10.15 (DZH6 only), Fri. 13.35–13.50 (DZH7 only).
*Sacred Song Request:* Daily 12.30–13.30 (exc. Mo.). Plays selections suggested by listeners. Dedications made.

**Daily Programs for DZH8:** In *English* 14.00–16.00.
**Announcement:** "This is the call of the Orient" or "This is the Far East Broadcasting Comp., Manila, Philippines".
**Interval Signal:** A chime. – **Verification** by QSL-card and photos of staff.
**Message to Listeners:** The Call of the Orient greets its listeners everywhere. These stations are dedicated to the purpose that all men shall hear the message of PEACE through Christ Jesus our Lord. Tune to any of our frequencies for the finest in good music and helpful programs. Your correspondence gratefully received and personally answered.

### THE PEOPLE'S STATION (Government)

**Address:** Radio Station DZFM, 4th Floor, City Hall, Manila.
**Leading Personalities:** Managing Director Mr. Francisco Trinidad. Program Director Mr. Eduardo Avelino. Chief Engineer Mr. Jose Dy.
**Stations:** *Manila:*

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| DZFM | 710 | 422.5 | 10 | DUH-4 | 9615 | 31.20 | 0.3 |
| DUH-2 | 6170 | 48.62 | 1 | DUH-5 | 11840 | 25.34 | 0.3 |

**Daily Programs:** All programs are broadcast simultaneously on all frequencies: 21.00–16.00 in English, Tagalog (National), Spanish.
*News in English:* 23.00 (not Sun.), 04.30, 07.30 (UN News), 12.30 (Newsreel), 14.00 (APO News).

### THE VOICE OF AMERICA IN MANILA

**Address:** International Broadcasting Division, c/o. American Embassy, Manila.
**Leading Personalities:** Chief-Engineer Mr. George H. Chapman. Engineer-in-Charge Mr. A. L. Callahan.
**Stations.** *Manila:*

| kc/s | m | kW | kc/s | m | kW |
|---|---|---|---|---|---|
| 920 | 326.0 | 50 | 15330 | 19.57 | 50 |
| 6120 | 49.02 | 7.5 | 17760 | 16.89 | 50 |
| 9530 | 31.48 | 50 | 17780 | 16.87 | 7.5 |
| 11790 | 25.45 | 50 | 17800 | 16.85 | 50 |
| 11890 | 25.23 | 50 | 21570 | 13.91 | 50 |
| 15250 | 19.67 | 50 | | | |

**Daily Programs:** On 6120 *kc/s:* 21.45–02.15, 09.00–15.45. – *On* 11890 *kc/s:* 21.45–03.00, 09.00–15.45. – *On* 15250 *kc/s:* 21.45–08.00, 09.00–15.45. – *On* 17760 *kc/s:* 03.15–08.45. – *On* 17780 *kc/s:* 02.45–08.35. – *On* 920 *kc/s:* 10.00–15.45. Programs consist of relays of VOA and UN programs for the Far East. For further details, see U. S. A.
**Announcement:** "This is Manila, relaying the Voice of America" before and after each program.

### THE MINDANAO COLLEGES BROADC. SYSTEM

**Address:** Davao City, Mindanao. –
**Station:** "*The Voice of Davao*".
DXB-2 3950 kc/s 75.96 m 3 kW
**Daily Programs** in *English:* 22.00–15.00. –
**Announcement:** "This is MCBS, The Mindanao Colleges Broadcasting System. DXB-2, The Voice of Davao, broadcasting from the heart af Davao".

### THE REPUBLIC BROADCASTING SYSTEM

**Address:** Radio Station DZBB, Calvo Building, 4th Floor, Escolta, Manila **(Commercial).**
**Leading Personalities:** General Manager Mr. Robert Stewart. Traffic Manager Mr. George Gil Viduya.
**Stations.** *Manila.*
DZBB 580 kc 517.2 m 10 kW. DZI3 6110 kc 49.10 m 5 kW
**Daily Programs:**
20.57–20.45 in *English, Spanish, Chinese, Tagalog.*
*News in English:* 04.45, 13.45. – *Request Pr.:* 18.00, 20.00.

### BOLINAO ELECTRONICS CORPORATION

**Address:** San Juan, Rizal. **(Commercial)**
**Stations.** *Rizal:*
DZBC 1000 kc/s 300.0 m 1 kW
DZI-2 9550 kc/s 31.41 – 1 –
**Daily Programs:** 22.00–15.00. *News in English:* 22.45, 04.20, 07.45, 15.00.

### BACOLOD BROADCASTING COMPANY

**Address:** Kizal Street, Bacolod City. **(Commercial)**
**Stations:** "*Radio Bacolod*".
DYB-2 4985 kc/s 60.19 m 0.25 kW
**Daily Programs** in *English:*
22.00–24.00, 03.00–05.00, W 08.00–14.00.

## TAHITI

**Address:** Radio Tahiti, P. O. Box 478, Papeete.
**Stations:** Papeete.

| | | | |
|---|---|---|---|
| FO8AA | 6980 kc/s | 42.98 m | 0.8 kW |
| FO8AA | 7300 – | 41.10 – | 0.8 – |
| FZP8 | 9053 – | 33.14 – | 24 – |
| FZP8 | 12080 – | 24.83 – | 0.6 – |

**Daily Programs** in *French* and *Tahitienne.*
On *6980* and *12080 kc/s:* 04.00–04.45.
*News in French:* 04.00. – *Music:* 04.15.
From the end of 1950 there will be programs in French to S. Pacific on 7300 kc/s from 22.00–22.45, 04.00–04.45. Early in 1951 9053 kc/s will be used (instead of 12080 kc/s) for Programs to USA, which will be at least semi-weekly, possibly daily. — **Verification** by QSL card.

## CANADA

**Population:** 13.500.000. **Licensed Listeners:** approx. 2.000.000.

### CANADIAN BROADCASTING CORPORATION

**CBC International Service**

**Address:** Canadian Broadcasting Corporation, International Service, P. O. Box 7.000, Montreal, Canada.

**Leading Personalities:** General Supervisor: Mr. Ira Dilworth. Asst. General Supervisor: Mr. C. R. Delafield. Supervisors European Section: Mr. P. Malles (Northern), Mr. E. Koch (Western), Mr. W. Schmolka (Central). Supervisor English Language Section: Mr. J. S. Peach. Supervisor French Section: Mr. G. Arthur. Supervisor Latin-American Section: Mr. H. Morrison. Senior Engineer: Mr. F.P. Johnson. Press and Information Mr. F.H. Brickenden.

**Stations:**

All international shortwave broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inuagurated Feb. 25, 1945.

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| CKRZ | 6060 | 49.50* | CKEX | 11900 | 25.21 |
| CKOB | 6090 | 49.26*† | CKLX | 15090 | 19.88 |
| CHAC | 6160 | 48.70* | CKCX | 15190 | 19.75† |
| CHLS | 9610 | 31.22 | CKCS | 15320 | 19.58† |
| CKLO | 9630 | 31.15† | CKNC | 17820 | 16.84† |
| CKXA | 11705 | 25.63 | CKRP | 21600 | 13.89 |
| CHOL | 11720 | 25.60† | CHLA | 21710 | 13.82 |
| CKRA | 11760 | 25.51 | | | |

* Only in use in the winter period. † European Service.

The Sackville frequencies listed above are those assigned to Canada by international agreement.

**Daily Programs:**

**Program to Europe.**

14.15-14.25 Opening Announcements (Exc. Sun & Sat.)
14.25-15.30 Commentaries from the UN (Exc. Sun. & Sat.)
15.20-15.30 Opening Announcements (Sat. only)
15.30-16.00 Programs for Europe. (Exc. Sun.)
15.35-16.00 Opening Announcements (Sun. only)
16.00-16.30 Czech
16.30-16.45 German (Exc. Sun. and Wed.)
16.30-16.45 German to Austria (Sun. and Wed. only)
16.45-17.00 English (Sun. only)
16.45-17.00 Dutch (Exc. Sun.) 17.00-17.30 English
17.30-17.45 Czech 17.45-18.15 French
18.15-18.45 Dutch 18.45-19.00 English
19.00-19.20 Swedish 19.20-19.40 Norwegian
19.40-20.00 Danish 20.00-20.30 German
20.30-21.00 Italian 21.00-21.30 Czech
21.30-22.00 French 22.00-23.00 English
23.00-23.15 Czech 23.15-23.30 Czech (Sat. & Sun. only)
23.15-23.30 German (Exc. Sat. & Sun.)

**Program to Australia and New Zealand**

03.50-04.20 Commentaries from the UN (Exc. Sun. & Mon.)
08.40-10.30 English program for listeners in the South-West Pacific area (Sun. only)

**Program to Latin-America and the Caribbean**

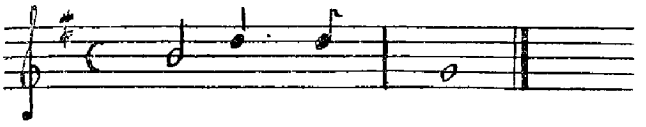
23.50 Portuguese 02.00 English
00.40 Spanish 02.30 Dutch (Sat. only)
01.45 French 02.45 Spanish

**Program to the Northwest and Arctic Settlements Territories**

*From the end of November to May on* 6090 kc/s *and* 9630 *kc/s*

04.20-05.00 Northern Messenger, English. Mo. only.

**Interval Signal:** First four notes of the National Anthem »O Canada«:



**Message to Listeners:** The Voice of Canada greets shortwave listeners everywhere, and welcomes queries and comments of all kinds. Please write to Box 7.000, Montreal.

**Home Service:**

**Address:** Canadian Broadcasting Corporation, 1425 Dorchester St. West, Montreal, Quebec (Eastern Zone). Canadian Broadcasting Corporation, Vancouver, British Columbia (Pacific Zone). Canadian Broadcasting Corporation, St. Johns, Newfoundland.

**Leading Personalities:** Chairman of the Board of Governors: Mr. A. D. Dunton. General Manager: Dr. Augustin Frigon. Director General of Programs: Mr. E.L. Bushnell. Press and Information: Mr. R. C. Frazer, (Montreal).

**STATIONS: Vercheres.**

| | | | |
|---|---|---|---|
| CBFW | 6090 kc/s | 49.26 m | 0,2 kW (7,5k W) |
| CBFR | 9520 kc/s | 31.51 m | 7,5 kW |
| CBFX | 9610 kc/s | 31.22 m | 7,5 kW |
| CBFO | 9630 kc/s | 31.15 m | 7,5 kW |
| CBFY | 11705 kc/s | 25.63 m | 7,5 kW |
| CBFL | 11720 kc/s | 25.60 m | 7,5 kW |
| CBFA | 11760 kc/s | 25.51 m | 7,5 kW |
| CBLX | 15090 kc/s | 19.88 m | 7,5 kW |
| CBFZ | 15190 kc/s | 19.75 m | 7,5 kW |

**St. Johns, Newfoundland.**

CBNX 5970 kc/s 50.25 m 0.3 kW

**Vancouver B. C.**

CBRX 6160 kc/s 48.70 m 0.15 kW

**Daily Programs:** 12.00-05.00 French 6090 kc/s; 12.00-00.45 English 15090 kc/s; 01.00-05.00 French 9630.

**Vancouver:** 15.00–07.00. **Newfoundland:** 11.00–03.30.

**Verification** by QSL card.

### PRIVATE STATIONS

| Stations: | | kc/s | m | kW | |
|---|---|---|---|---|---|
| Edmonton | VE9AJ | 6005 | 49.96 | 0.20 | Mountain Zone |
| Montreal | CFCX | 6005 | 49.96 | 0.08 | Eastern Zone |
| Sydney | CJCX | 6010 | 49.92 | 1.00 | Atlantic Zone |
| Calgary | CFVP | 6030 | 49.75 | 0.10 | Mountain Zone |
| Toronto | CFRX | 6070 | 49.92 | 1.00 | Eastern Zone |
| Vancouver | CKFX | 6080 | 49.34 | 0.10 | Pacific Zone |
| Halifax | CHNX | 6130 | 48.94 | 0.50 | Atlantic Zone |
| Winnepeg | CKRO | 6150 | 48.78 | 2.00 | Central Zone |
| Edmonton | VED | 8266 | 36.30 | 5.00 | Mountain Zone |
| Edmonton | VE9AJ | 9540 | 31.45 | 0.20 | Mountain Zone |
| Winnepeg | CKRX | 11720 | 25.60 | 2.00 | Central Zone |

## UNITED STATES OF AMERICA

**"THE VOICE OF AMERICA"** is operated by The International Broadcasting Division of the Department of State to promote an increased understanding of the United States among the peoples of the world and strengthen cooperative internationel relations.

# CANADA AND THE UNITED STATES OF AMERICA

EDMONTON
CALGARY
WINNIPEG
VANCOUVER
QUEBEC
SACKVILLE
ST. JOHNS
VERCHERES
SYDNEY
TORONTO
MONTREAL
HALIFAX
SCHENECTADY
BOSTON
BELMONT
CINCINNATI
NEW YORK
SAN FRANCISCO
WAYNE
VERA CRUZ
BELICE
TEGUCIGALPA
MANAGUA

*United Nations: Miss Leila Doss broadcasting to the Middle Eas*

*The Voice of America. The well known beautiful Hollywood star, Lucille Ball, with her husband, Mr. Desi Arnaz, Director of a Cuban orchestra, being interwiewed by Miss Mary Spaulding in a special Voice of America program.* →

map Canada USA United Nations Radio Leila Doss

Government-owned and controlled relay broadcast operations are located at Honolulu, Manila, Munich, Tangiers and Salonika. Relay facilities are also leased from the BBC in England.

Other relays are in effect through arrangement with domestic broadcasters of other countries, such as France, Italy, Korea, Greece, Austria, Germany and the countries of Latin America.

Programs are written, produced and broadcast from studios in New York City and Washington.

**Address:** "The Voice of America", International Broadcasting Division, Department of State, 224 W. 57th Street, New York 19, N. Y.

**Leading Personalities:** Chief, International Broadcasting Division, Mr. Foy D. Kohler. Associate Chief for Operations, Mr. James F. Thompson. Associate Chief for Political Affairs, Mr. Edwin Kretzman. Chief, Program Operations Branch, Mr. Alfred Puhan. Chief, Facilities Branch, Mr. Georg Herrick. Chief, Program Evaluation Branch, Mr. Leo Lowenthal. Chief, Washington Branch, Mr. Morton Glatzer.

**Stations:**

*KWID (100 kW), KWID2 (50 kW.)* The Associated Broadcasters, Inc., Mark Hopkins Hotel, San Francisco, Calif.

*WABC1 (50 kW), WABC2 (50 kW), WABC3 (50 kW).* Columbia Broadcasting System, Inc., Brentwood, Long Island, New York.

*WABC4, WABC5 (50 kW).* Columbia Broadcasting System, Inc., 485, Madison Ave., New York 22. N. Y.

*KCBR1 (200 kW), KCBR2, KCBR3 (50 kW).* Columbia Broadcasting System, Inc., Delano, Calif.

*WLWO3, WLWO4, WLWO5, WLWO6, WLWO7, WLWO8 (200 kW).* The Crosley Corporation, Bethany, Ohio.

*WLWO1 (75 kW), WLWO2 (50 kW).* The Crosley Corporation, Masau, Ohio.

*WGEO1 (100 kW), WGEO2 (50 kW), WGEO3 (25 kW).* General Electric Company, 1, River Road, Schenectady, New York.

*KGEI1 (50 kW), KGEI2 (100 kW).* General Electric Company, Belmont, Calif.

*WRCA1, WRCA2, WRCA3, WRCA4, WRCA5, WRCA6. (50 kW)* National Broadcasting Company, Inc., Bound Brook, New Jersey.

*KRCA1, KRCA2 (50 kW), KRCA3 (200 kW).* National Broadcasting Company, Inc., Dixon, Calf.

*WBOS (50 kW).* Westinghouse Radio Stations, Inc., Hull, Massachusetts.

*WRUL1, WRUL2, WRUL3 (50 kW), WRUL4 (20 kW), WRUX (10 kW).* World Wide Broadcasting Corporation, Scituate, Massachusetts.

**Short Wave Stations:**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| WLWO7 | 6040 | 49.67 | WRCA4 | 9550 | 31.41 |
| KCBR2 | 6040 | 49.67 | KWID1 | 9570 | 31.35 |
| KRCA2 | 6060 | 49.50 | WRUL4 | 9570 | 31.35 |
| WLWO | 6080 | 49.34 | KWID2 | 9570 | 31.35 |
| KCBR2 | 6120 | 49.02 | KRCA3 | 9600 | 31.25 |
| KRCA1 | 6185 | 48.50 | KRCA1 | 9615 | 31.20 |
| KCBR1 | 6185 | 48.50 | WRCA1 | 9615 | 31.20 |
| KCBR1 | 9515 | 31.53 | KRCA2 | 9650 | 31.09 |
| KRCA1 | 9515 | 31.53 | WABC1 | 9650 | 31.09 |
| WGEO1 | 9530 | 31.48 | KGEI1 | 9670 | 31.02 |
| WABC6 | 9670 | 31.02 | KGEI1 | 15210 | 19.72 |
| WRCA6 | 9670 | 31.02 | KRCA3 | 15240 | 19.69 |
| WRCA3 | 9670 | 31.02 | WLWO5 | 15240 | 19.69 |
| WRCA1 | 9670 | 31.02 | KRCA3 | 15250 | 19.67 |
| KCBR2-3 | 9700 | 30.93 | WLWO5 | 15250 | 19.67 |
| WLWO8 | 9700 | 30.93 | WABC2 | 15270 | 19.65 |
| KRCA2 | 9700 | 30.93 | WBOS | 15285 | 19.63 |
| WLWO7 | 11705 | 25.63 | WRCA4 | 15285 | 19.63 |
| WLWO7 | 11710 | 25.62 | WRUL1 | 15290 | 19.62 |
| WLWO5 | 11710 | 25.62 | WRUL3 | 15310 | 19.60 |
| KGET2 | 11730 | 25.58 | KCBR1 | 15310 | 19.60 |
| WRCA2 | 11770 | 25.49 | KCBR2 | 15310 | 19.60 |
| WRCA3 | 11770 | 25.49 | KCBR3 | 15310 | 19.60 |
| KCBR1 | 11770 | 25.49 | WGEO1 | 15330 | 19.57 |
| WRCA5 | 11770 | 25.49 | WGEO2 | 15330 | 19.57 |
| WRUL1 | 11790 | 25.45 | WLWO6 | 15330 | 19.57 |
| WRUL3 | 11790 | 25.45 | WLWO5 | 15330 | 19.54 |
| KRCA2 | 11790 | 25.45 | WRUL1 | 15350 | 19.54 |
| WRUL4 | 11790 | 25.45 | WRUL2 | 15350 | 19.54 |
| KCBR3 | 11810 | 25.40 | WRUL4 | 17750 | 16.90 |
| KRCA3 | 11830 | 25.36 | WRUL5 | 17750 | 16.90 |
| WGEO2 | 11830 | 25.36 | KWID1 | 17760 | 16.89 |
| KWID2 | 11860 | 25.30 | WGEO3 | 17765 | 16.89 |
| WGEO2 | 11870 | 25.27 | KCBR2 | 17770 | 16.88 |
| WBOS1 | 11870 | 25.27 | KCBR3 | 17770 | 16.88 |
| WRCA1 | 11890 | 25.23 | WRCA5 | 17780 | 16.87 |
| WRCA3 | 11890 | 25.23 | WLWO2 | 17800 | 16.85 |
| WRCA6 | 11890 | 25.23 | WLWO7 | 17800 | 16.85 |
| KRCA1 | 11890 | 25.23 | WABC3 | 17830 | 16.83 |
| KWID1 | 11900 | 25.21 | WLWO7 | 17830 | 16.83 |
| KGEI1 | 15105 | 19.86 | KRCA3 | 17830 | 16.83 |
| KCBR1 | 15130 | 19.83 | WRCA5 | 18160 | 16.52 |
| WABC4 | 15130 | 19.83 | KRCA1 | 21460 | 13.98 |
| WABC5 | 15130 | 19.83 | WABC5 | 21500 | 13.95 |
| KRCA1 | 15130 | 19.83 | WLWO3 | 21520 | 13.94 |
| KRCA2 | 15130 | 19.83 | WABC1 | 21570 | 13.91 |
| WRCA1 | 15150 | 19.80 | WGEO2 | 21590 | 13.90 |
| WRCA6 | 15150 | 19.80 | WRCA1 | 21610 | 13.88 |
| KCBR2 | 15150 | 19.80 | WRCA3 | 21610 | 13.88 |
| KCBR3 | 15150 | 19.80 | WLWO2 | 21630 | 13.87 |
| WLWO1 | 15200 | 19.74 | WLWO7 | 21650 | 13.86 |
| WBOS | 15210 | 19.72 | WLWO2 | 21690 | 13.83 |
| WRCA1 | 15210 | 19.72 | WRCA3 | 21730 | 13.81 |
| WRCA6 | 15210 | 19.72 | WRCA6 | 21730 | 13.81 |
| KCBR3 | 15210 | 19.72 | KCBR2 | 21740 | 13.80 |
| WLWO1 | 15210 | 19.70 | | | |

**Relay Stations.**

**Germnay** *Munich* (100 kW).

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | 1196 kc/s | 251 m | | 2–3 | 9540 kc/s | 31.45 m | |
| 3 | 6080 – | 49.34 – | | 1 | 11870 – | 25.27 – | |
| 5 | 6140 – | 48.86 – | | 1 | 15280 – | 19.63 – | |
| 1 | 6170 – | 48.62 – | | | | | |
| 4 | 7250 – | 41.38 – | | 2 | 15340 – | 19.56 – | |

**Greece** *Salonika* (50 kW) 791 kc/s 379.2 m

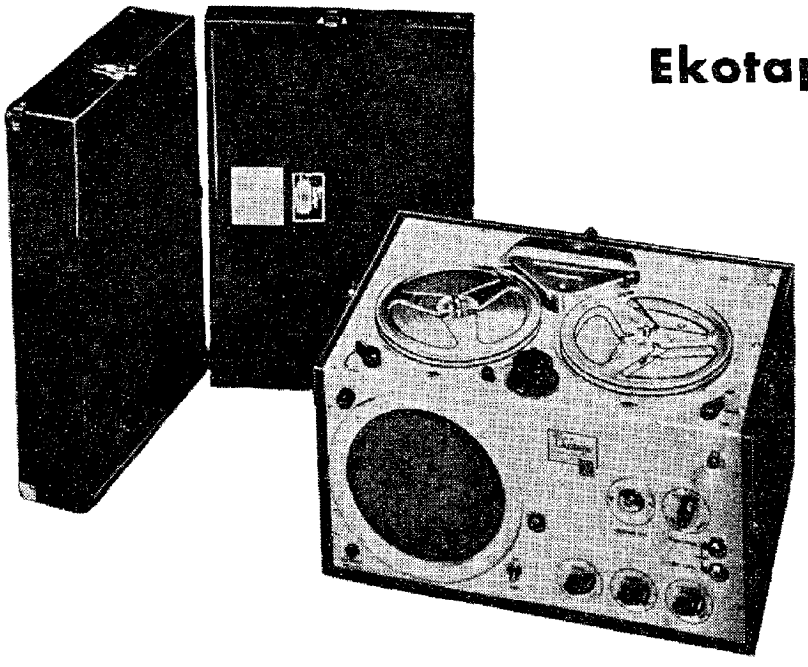
**Tangier.** (50 kW).

| | | | | | |
|---|---|---|---|---|---|
| 1 | 6060 kc/s | 49.50 m | 1–2–3 | 11790 kc/s | 25.45 m |
| 1 | 7214 – | 41.58 – | 1 | 15210 – | 19.72 – |
| 1–2 | 9560 – | 31.38 – | 2 | 15240 – | 19.68 – |
| 1 | 9680 – | 30.99 – | 2+4 | 15250 – | 19.67 – |
| | | | 2 | 15280 – | 19.63 – |

**Hawaii.** *Honolulu* (100 kW).

| | | | | | |
|---|---|---|---|---|---|
| 1 | 9650 kc/s | 31.09 m | 2 | 15250 kc/s | 19.67 m |
| 1 | 11790 – | 25.45 – | 2 | 15330 – | 19.57 – |
| 2 | 15130 – | 19.83 – | 1 | 17800 – | 16.85 – |

# *The Finest in Portable Tape Recorders*



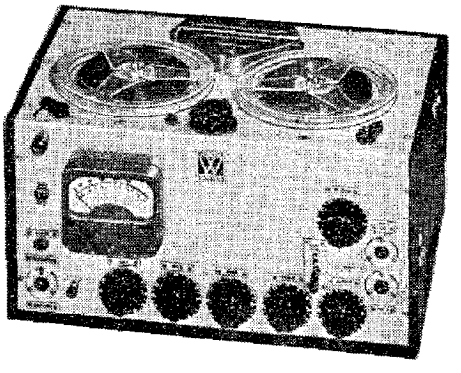
## Ekotape Announcer

Ekotape Announcer has been developed expressly to meet the needs of broadcasting studios for a high quality, readily portable magnetic tape recorder. Compact and completely self-contained, except for microphone and A.C. power source, it is ideal for field work and spot recording. At the same time it provides fine tone quality and high fidelity for studio use.

Programs from any source of sound may be recorded and preserved. Simplified controls require a minimum of attention. Ekotape has dual channels of amplification. It may be used as a public address system without any recording on the machine.

## Ekotape Network

The Ekotape Network is a professional model magnetic tape recorder for use by radio engineers as a portable unit for remote recording or for recording delayed broadcasts in the studio. It consists of a compact, sturdy, deep blue "no scuff" plastic covered cabinet, containing separate record and playback amplifiers, and the magnetic tape recorder mechanism.



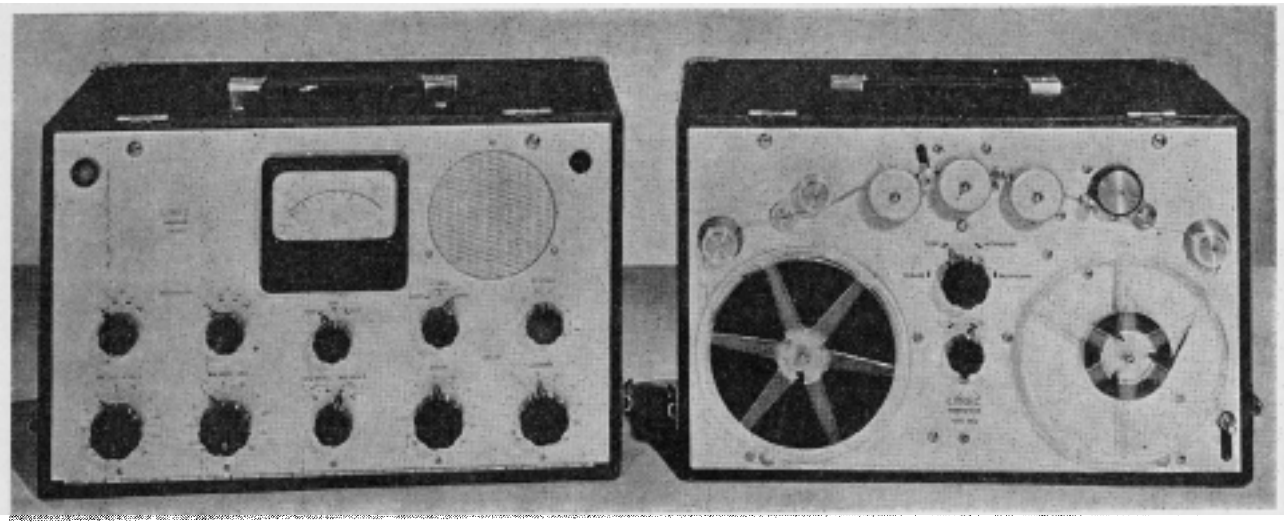
**WEBSTER** WEBSTER W ELECTRIC Established 1909 **ELECTRIC**

**"Where Quality is a Responsibility and Fair Dealing an Obligation"**

EXPORT DEPARTMENT
13 EAST 40th STREET
NEW YORK 16, N.Y., U.S.A.
CABLE ADDRESS:

# Lyrec

# High Quality Recording Equipment



*Magnetic Tape Recorder Model TRA2*

The *LYREC* Recording and Transcription Equipments are designed for broadcast stations, moving-picture studios, large transcription manufacturers etc.

The robust construction of the apparatus and its high technical standard entitles it to be used wherever quality is a requisite, and further the price is most reasonable.

**Recording Turntables**
**Transcription Turntables**
*portable and stationary*
**Tape Recorders**
**Cutting Heads**
**Moving Coil Pick Ups**
*and other accessories for*
**Sound Recording and**
**Sound Reproducing**

*Recording Turntable Model SV2*

**LYREC**
Elektroakustiske Apparater
**Jægersborg Allé 6,**
Copenhagen, Chl.
Denmark

advertisement Lyrec

**Philippines.** (*Manila* 50 kW exc. 6120, 17780 7.5 kW).

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | 920 kc/s | 326 | m | 2 | 15330 kc/s | 19.57 | m |
| 3 | 6120 – | 49.02 | – | 1 | 17760 – | 16.89 | – |
| 3 | 9530 – | 31.48 | – | 1 | 17780 – | 16.87 | – |
| 1 | 11790 – | 25.45 | – | 3 | 17780 – | 16.87 | –*) |
| 1 | 11890 – | 25.23 | – | 1 | 17800 – | 16.85 | – |
| 2 | 15250 – | 19.67 | – | 2 | 21570 – | 13.91 | – |

*) 7.5 kW

**DAILY PROGRAMS.**

**European Service.**

*Arabic:*

19.00–19.30 in 13, 16, 19 m.b. Relays: BBC 24.90, 31.32 m. Munich 31.45 m. Tangier 19.72 m.

*Austrian:*

18.00–18.15 in 13, 16, 19.25 m.b. Relays: Rot-Weiss-Rot 18.45–19.00 in 13, 16, 19.25 m.b. Relays: Alpenland & Schonbrunn.

*Bulgarian:*

17.00–17.15 in 13, 16, 19 m.b. *Relays:* BBC 25.30, 31.06 m. Munich 31.45 m. Tangier 19.63 m. Salonika 379 m.

19.30–20.00 in 13, 16, 19 m.b. Relays: Munich 31.45, 48.62, 48.86, 49.34 m. Tangier 19.63 m. Salonika 379 m. – *Rebroadcast:* Munich 08.15, 08.45, 09.15, 10.45, 11.15, 22.15, Salonika 02.15, 05.00, 22.15.

*Czech & Slovak:*

17.30–18.00 in 13, 16, 19 m.b. Relays: BBC 25.64, 30.93 m. Munich 48.86, 49.34, 251 m.

20.00–20.30 in 13, 16, 19 m.b. and 25 m.b. *Relays:* BBC 25.64, 31.06 m. Munich 48.86, 49.34, 251 m. Tangier 31.38 m. – *Rebroadcast:* Munich 01.45, 02.15, 03.45, 04.45, 05.15, 09.45, 23.45.

*English:*

16.00–16.15 in 13, 16, 19 m.b. *Relays:* Munich 31.45, 41.38, 49.34, 48.86 m.

16.15–16.45 in 13, 16, 19 m.b. *Relays:* BBC 25.49, 31.88, 41.61, 464, 224 m. Munich 41.38, 251 m. *Rebroadcast:* Salonika 18.30-19.00 on 379 m. Sun: Radio Forum.

16.45–17.00 in 13, 16, 19 m.b. *Relays:* Munich: 31.45, 41.38, 251 m.

17.00–17.15 in 13, 16, 19 m.b. *Relays:* BBC 16.92, 19.70, 24.80 m. Munich 25.27, 41.38 m.

17.15–17.45 in 13, 16, 19 m.b. *Relays:* Munich 31.45, 41.38 m. Tangier 19.72 m. Mo.: Here are the answers. Tues.: Make believe Ballroom. Sat.: Your Hit Parade.

17.45–18.00 in 13, 16, 19 m.b. *Relays:* Munich 25.27, 31.45, 41.38 m. Tangier 19.72 m.

19.00–20.00 in 13, 16, 19, 25 m.b. *Relays:* BBC 24.80, 30.93, 41.67 m. Sun.: Radio Amateurs Program. Thursd.: Symphony.

20.00–20.15 in 13, 16, 19, 25 m.b. *Relays:* BBC 24.80, 30.93, 41.67 m. Munich 41.38, 48.62 m. *Rebroadcast:* Salonika 20.45–21.00 on 379 m. Munich 21.00–21.15 on 251 m.

21.30–22.00 in 13, 16, 19, 25, 31 m.b. *Relays:* BBC 24.80, 30.93, 41.67 m. Munich 48.62 m.

*French:*

17.30–18.00 in 13, 16, 19 m.b. *Relays:* RDF.

20.00–20.30 in 16, 19 m.b.

22.00–22.15 in 13, 16, 19, 25, 31 m.b. *Relays:* BBC 41.61, 48.54, 224 m. Tangier 31.38 m.

*German:*

18.00–18.30 in 13, 16, 19.25 m.b. *Relays:* German Stations U. S. Zone. Rias (Berlin).

20.15–20.30 in 13, 16, 19, 25, 31 m.b. *Relays:* Munich 41.38, 48.62 m. *Rebroadcast:* Munich 22.00–22.15 on 31.45, 41.38, 48.62 m. 48.86, 49.34 m.

22.15–22.30 in 19, 25, 31 m.b. *Rebroadcasts:* Rias (Berlin) 23.00–23.15, 04.35–04.40.

*Greek:*

17.15–17.30 in 13, 16, 19 m.b. *Relays:* BBC 25.64, 30.93 m. Munich 48.86, 49.34, 251 m. Salonika 379 m. Local Greek stations.

20.30–20.45 in 13, 16, 19, 25, 31 m.b. *Relays:* BBC 25.64, 31.06 m. Munich 48.86, 49.34 m. Salonika 379 m. Local Greek stations.

*Hungarian:*

19.00–19.30 in 13, 19 m.b. *Relays:* BBC 25.64, 31.06 m. Munich 48.86, 49.34, 251 m.

20.45–21.00 in 13, 16, 19, 25, 31 m.b. *Relays:* BBC 25.64, 31.06 m. Munich 48.86, 49.34 m. *Rebroadcasts:* Munich 21.15, 22.30, 00.15, 00.30, 02.45, 03.00, 07.15, 07.30, 07.45, 08.00, 10.15, 10.30. Salonika 22.00, 00.15, 00.30, 04.45.

*Italian:*

14.15–14.30 via RCAC Point-to-Point to Rome. *Relays* RAI.

16.30–17.00 in 13, 16, 19 m.b. *Relays:* BBC 19.61, 25.42 m. Munich 48.86, 49.34 m. Trieste-I (Mo. Sat.) 262 m. *Rebroadcasts:* Munich 18.00–18.30 on 251 m.

21.30–22.00 in 13, 16, 19, 25, 31 m.b. *Relays:* Munich 41.38, 48.86, 49.34, 251 m. Tangier: 31.48 m.

*Persian:*

16.30–17.00 in 13, 16, 19 m.b. *Relays:* BBC 16.92, 19.70, 24.80 m. Munich 25.27 m. Tangier 19.63 m. Radio Teheran *Relays* first 15 minutes.

03.45–04.00 via RCAC Point-to-Point via Tangier to Teheran. Relays: Radio Teheran.

*Polish:*

16.15–16.45 in 13, 16, 19 m.b. *Relays:* BBC 25.15, 31.17, 40.98, 232 m. Munich 31.45 m.

20.30–21.00 in 13, 16, 19, 25, 31 m.b. *Relays:* BBC 24.80, 41.67 m. Munich 41.38, 48.62, 251 m. Tangier 31.38 m. *Rebroadcasts:* Munich 23.15, 00.45, 01.15, 04.15, 06.45, 12.45, 13.15, 13.45.

*Rumanian:*

19.30–20.00 in 13, 16, 19 m.b. *Relays:* BBC 25.64, 31.06 m. Munich 41.38, 251 m. *Rebroadcatss:* Salonika 20.00, 22.45, 01.45, 03.45, on 379 m. Munich 22.45, 05.15, 05.45, 06.15, 11.45, 12.15.

*Russian:*

14.15–14.45 in 13, 16, 19, 25, 31, 41, 49 m.b. and 251 m. *Relays:* Munich. Tangier. *Rebroadcasts:* Munich 14.45, 15.15, 15.45 on 251 m.

18.00–18.30 in 13, 16, 19, 25, 31, 41, 49 m.b. *Relays:* BBC. Munich. Tangier.

21.00–21.30 in 13, 16, 19, 25, 31, 41, 49 m.b. *Relays:* BBC. Munich. Tangier. *Rebroadcasts:* Munich 00.45, 01.45 on 251 m. Salonika 23.15, 01.15 on 379 m.

03.15–03.45 in 13, 16, 19, 25, 31, 49 m.b. and 251, 379 m.

*Relays:* Munich. Salonika. *Rebroadcasts:* Munich 03.45 on 251 m.

*Serbo-Croat:*

17.45–18.00 in 13, 16, 19 m.b. *Relays* BBC 31.50, 41.49 m. Tangier 19.63 m. Salonika 379 m.

19.00–19.30 in 13, 16, 19 m.b. *Relays:* Munich 41.38 m. Tangier 19.63 m. Salonika 379 m.

*Slovene:*

17.00–17.15 in 13, 16, 19 m.b. *Relays:* BBC 25.64, 30.93 m. Munich 48.86, 49.34, 251 m. Trieste II (Mo. Sat.) 344. *Rebroadcasts:* Salonika 17.30 –17.45 on 379 m.

*Spanish:*

22.00–22.30 in 13, 16, 19, 25, 31 m.b. *Relays:* BBC 31.01, 41.67 m. Munich 251 m. Tangier 49.50 m.

*Turkish:*

17.15–17.45 in 13, 16, 19 m.b. *Relays:* BBC 16.92, 19.70, 24.80 m. Tangier 19.63 m. *Rebroadcasts:* Salonika 18.00–18.30 on 379 m.

*Ukrainian:*

18.30–19.00 in 13, 16, 19 m.b. *Relays:* BBC 19.70, 14.80, 30.93, 41.67 m. Munich 25.27, 31.45, 41.38, 48.86, 49.34, 251 m. Tangier 19.63, 19.72 m. *Rebroadcasts:* Munich 22.45 on 251 m. Salonika 23.45, 00.45, 02.45, 04.15 on 379 m.

**Far Eastern Service.**

*Cantonese:*

13.00–13.30 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57, 25.45 m. Manila 19.67, 253, 49.02, 326 m. HK first 15 minutes news relayed by Radio Hong Kong. *Rebroadcasts:* Manila 14.15, 14.45 on 920 m.

23.00–23.30 in 13, 16, 19 m.b. *Relays:* Manila 19.67, 25.23, 49.02 m. *Rebroadcasts:* Manila first 15-minute news at 01.45. 02.45, 03.45, 04.45, 05.45, 06.45.

*Mandarin:*

05.00–05.15 in 16, 19, 25 m.b. *Relays:* Manila 16.87, 19.57, 19.67 m. *Rebroadcasts:* Manila 06.00, 07.00.

12.00–13.00 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57, 25.45 m. Manila 19.67, 25.23, 49.02, 326 m. *Rebroadcasts:* Manila 15.15.

23.30–24.00 in 13, 16, 19 m.b. *Relays:* Manila 19.67, 25.23, 49.02 m. *Rebroadcasts:* Manila 00.30, first 15-min. news at 01.00, 02.00, 03.00, 04.00.

*English:*

09.00–09.30 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57, 25.45 m. Manila 19.67, 25.23, 49.02 m.

10.30–11.00 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57. 25.45 m. Manila 19.67, 25.23, 49.02, 326 m,

11.15–11.30 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57. 25.45 m. Manila 19.67, 25.23, 49.02, 326 m,

13.30–14.00 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57, 25.45 m. Manila 19.67, 25.23, 49.02, 326 m,

14.00–14.15 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57. 25.45 m. Manila 19.67, 25.23, 49.02, 326 m,

14.45–15.00 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57. 25.45 m. Manila 19.67, 25.23, 49.02 m.

22.00–22.30 in 13, 16, 19 m.b. *Relays:* Manila 25.23, 19.67, 49.02 m. *Rebroadcasts:* Manila 07.00.

*Indonesian:*

11.00–11.15 in 25, 31, 49 m.b. *Relays:* Honolulu 19.57, 25.45 m. Manila 25.23, 19.67, 49.02, 326 m.

*Korean:*

11.30–12.00 in 25, 49, 31 m.b. *Relays:* Honolulu 25.45, 19.57 m. Manila 25.23, 19.67, 19.02 m. Republic of Korea Broadcasting Stations. Japanese Stations 550 kc. 730 kc. *Rebroadcasts:* Japanese Stations 14.00, 14.30.

15.00–15.15 in 25, 31, 49 m.b. *Relays:* Honolulu 25.45, 19.57 m. Manila 25.23, 19.67, 49.02 m. Republic of Korea Broadcasting Stations. Japanese Stations.

22.30–23.00 in 13, 16, 19 m.b. *Relays:* Manila 25.23, 19.67, 49.02 m. Republic of Korea Broadcasting Stations. Japanese Stations. *Rebroadcasts:* Japanese Stations 23.00.

*Russian:*

09.30–10.00 in 19, 25, 31, 49 m.b. *Relays:* Honolulu and Manila.

14.15–14.45 in 13, 16, 19, 25, 31, 41, 49 m.b. and 251 m. *Relays:* Honolulu and Manila.

03.15–03.45 in 13, 16, 19, 25, 31, 41, 49 m.b. and 251 m. 379 m. *Relays:* Honolulu and Manila.

*Vietnamese:*

10.00–10.15 in 25, 31, 49 m.b. *Relays:* Honolulu 25.45, 19.57 m. Manila 25.23, 19.67, 49.02, 326 m. *Rebroadcasts:* 06.15 by the Voice of Vietnam Network.

**Latin American Service:**

*English:*

13.15–13.30 in 16, 19 m.b. This Program is rebroadcasted by local stations.

01.00–02.00 in 13, 16 m.b. and 25, 31, 49 m.b. This Program is rebroadcasted by local stations.

*Portuguese:*

00.30–01.00 in 16, 19, 25, 31 m.b. *Relays:* Daily exc. Sat. Radio Maua Brazil.

*Spanish:*

22.40–22.50 in 16, 19 m.b. *Relays:* XEX and Radio Cadena Nacional.

23.30–23.45 in 13, 16, 19 m.b. *Rebroadcasts:* By Ondas Populares.

23.45–24.00 in 13, 16, 19 m.b. *Rebroadcasts:* By Radio Carve.

24.00–01.00 in 13, 16, 19, 25, 31, 49 m.b.

02.00–03.00 in 13, 16, 19, 31, 49 m.b.

**ANNOUNCEMENT:**

Each program ends with the words: "This program has come to you from the United States of America", in the language of the program.

**Interval-Signal:** The tune "Yankee Doodle".

**Verification** by Qslcards.

## ARMED FORCES RADIO SERVICE

The Armed Forces Radio Service is a direct function of the Armed Forces Information and Education Division. It presents regular short wave schedules from both the east and west coasts of the United States, using the transmitters of the "Voice of America".

Fan mail addressed to either of the following offices will be answered by the office to which it is sent:

**Address:** Commanding Officer, New York Branch Office, Armed Forces I&E Division, 641 Washington Street, New York 14, N. Y. – Commanding Officer, Los Angeles, Branch Office-AFRS, Armed Forces I&E Division, 1016 North Mc-Cadden Place, Los Angeles 38, California.

**TO EUROPE, MEDITERRANEAN.**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| WRCA1 | 9670 | 31.02 | WBOS | 15285 | 19.63 |
| WRCA1 | 11890 | 25.23 | WGEO3 | 17765 | 16.88 |
| WRCA6 | 11890 | 25.23 | WRCA3 | 21730 | 13.81 |
| WRCA3 | 11890 | 25.23 | WRCA6 | 21730 | 13.81 |
| WBOS | 15210 | 19.72 | | | |

**Daily Programs:** 19.00–22.45.
*News from Home:* 22.30. – The other programs mostly consist of music and variety. – *Program Preview:* 19.01. *Sports:* 19.10.

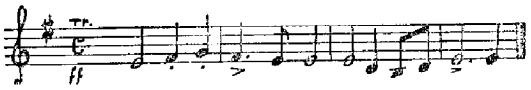
**TO PACIFIC, ORIENT.**

| | kc/s | m | | kc/s | m |
|---|---|---|---|---|---|
| KCBR2 | 6040 | 49.67 | | | |
| KCBR2 | 6120 | 49.02 | KGEI1 | 15105 | 19.86 |
| KWID2 | 9570 | 31.55 | KCBR2 | 15150 | 19.80 |
| KGEI1 | 9670 | 31.02 | KGEI1 | 15210 | 19.72 |
| KCBR2 | 9700 | 30.93 | KRCA3 | 15240 | 19.69 |
| KGEI2 | 11730 | 25.58 | KRCA3 | 15250 | 19.67 |
| KCBR3 | 11810 | 25.40 | | | |
| KWID2 | 11860 | 25.30 | KCBR3 | 15310 | 19.60 |
| KWID1 | 11900 | 25.21 | KCBR2 | 17770 | 16.88 |

**Daily Programs** from 01.15–14.15.
**The programming schedules** is devoted primarily to news casts, sports casts, and broadcasting of special events, particularly those which are of national and international import. Such specific items as speeches of the President of Cabinet members, and of Army, Air and Navy department figures, form an integral part of the transmission.
**Announcement:** "This is the Armed Forces Radio Service, The Voice of Information and Education".

## WORLD WIDE BROADCASTING FOUNDATION

**Address:** 133 Commonwealth Ave., Boston 16, Mass.
**Leading Personalities:** President and Founder: Mr. Walter S. Lemmon. Station Manager: Mr. W. Holmes.
**STATION:**
**To Europe**
20.00–21.00 on WRUL 15350 kc/s 19.54 m. *American Business Bulletins:* Mo. to Fri. – *Danish Greetings:* Sat. *Norwegian News and Lutheran:* Thurs., Fri. – *Swedish Lutheran:* Thurs. – *Dutch Interwiews, Lutheran, News:* Mo., Tues., Wedn.
**To Latin-America.**
23.00–24.00 on *WRUL* 15290 kc/s 19.62 m, 17750 kc/s 16.80 m. – *American Business Bulletin:* Mo. to Fri. – *Christian Science Program:* Sun.
**Annoncement:** „This is the World Radio University Stations WRUL, WRUW and WRUX, in Boston, United States of America."
**Interval-signal:**



**Verification** by QSL cards.

## UNITED NATIONS RADIO

**Address:** United Nations Radio, Lake Success. New York, U. S. A.
**Leading Personalities:** Director of United Nations Radio Division Mr. Peter Aylen. Deputy Director Mr. Carlos Garcia-Palacios. Chief of Production Mr. W. Gibson Parker. Chief of Special Projects Mr. Norman Corwin. Regional Chiefs Mr. Gerald Kean, Mr. Mike Peng, Mr. Eugenio Soler-Alonso, Mr. Hugh Williams. Chief Radio News Editor Mr. César Ortiz-Tinoco.

**SCHEDULE OF SHORT-WAVE BROADCASTS**
**European Program:**
On WER-47 17900 kc/s, WER-44 14800 kc/s.

| | |
|---|---|
| 17.30 Danish News | 18.14 French Summary |
| 17.45 French Program | 19.00 Corresp. Dispatches for BBC |
| 18.00 News in English | |

**Australian and New Zealand Program** (Tues. Sat.).
*On CHOL 11720 kc/s, CKLX 15090 kc/s.*
04.40 English News.–04.45 "The United Nations Review".
05.00 "Memo From Lake Success" (Sat. only).

**EUROPEAN AND MIDDLE EASTERN PROGRAM** (Mo. Sat.).
*On CKNC 17820 kc/s, CKCX 15190 kc/s*

| | |
|---|---|
| 14.25 Icelandic | 14.45 European Corresp. |
| 14.32 Czech | 14.50 Polish |
| 14.40 Norwegian Corresp. | 15.00 Russian |

*On WRCA-1 21610 kc/s, WABC-5 15130 kc/s, WRCA-2 11770 kc/s, WWH-36 (Tangier) 16890 kc/s* (until 19.30). *WWH-53 13470 kc/s* (from 19.30–20.00).

| | |
|---|---|
| 18.00 Hebrew | 19.45 Danish Corresp. |
| 18.20 Arabic Delegation | 19.50 Dutch |
| 18.30 Arabic | *Point-to-Point Transmission* |
| 19.00 Serbo-Croat. News. | 17.30 Danish |
| 19.05 Correspondentás Dispatch | 17.45 French and Corresp. |
| | 18.00 English |
| 19.15 Italian | 18.24 French |
| 19.30 German | 19.00 Correspondents |

**Latin-American and Caribbean Program** (Mo. Sat.)
*On WGEO 15330 kc/s (to 23.45) WGEO 9530 kc/s (to 24.00) WABC 17830 (to 00.30) WRUL 15350 kc/s (23.45 –24.00) WRCA 15210 kc/s (24.00 to 00.30) WRCA 9670 kc/s (*24.00 *to* 00.30*)*
*News and Programs:*
23.00 Spanish – 24.00 French – 00.07 English – 00.15 Portuguese.
*On WRUL* 11790 *kc/s, WLWO* 11710 *kc/s, WLWO* 15330
02.00–03.00 Spanish
**Program for Southern Europe, Middle East, India and Pakistan.**
*On WLWO-7 6040 kc/s, WLWO-8 9700 kc/s, WEO-36 Tangier I 9560 kc/s, Tangier II 11790 kc/s.*

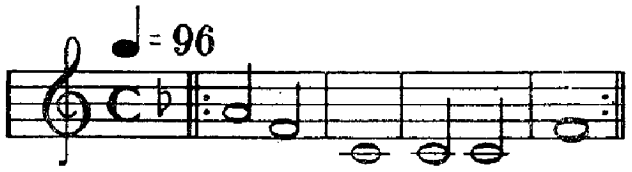
| | |
|---|---|
| 04.00 Hindi | 05.00 Pushtu |
| 04.30 Urdu | 05.15 Amharic |
| 04.45 Persian | 05.30 Turkish |
| | 05.45 Greek |

**Transpasific Program** (Daily unless shown)
*On KRCA 11890 kc/s and KRCA 9650 kc/s (California). Honolulu I 17800 kc/s. Manila I 17780 kc/s. Manila II 15250 kc/s and 21570 kc/s. Manila III 15330 kc/s.*

| | |
|---|---|
| 07.15 Korean | 07.45 French (Sun. only) |
| 07.30 English Summary | 07.52 Indonesian (Mo. Sat.) |
| 07.35 Tagalog | 08.00 English Progr. |
| 07.45 English feature (Tues. Sat.) | 08.15 Chinese |
| | 08.30 Thai |

**Korean Program** (Daily).
On GWC 15070 kc/s and 17715 kc/s.
*KGEI II 11730 kc/s, KRCA II 9600 kc/s, KRCA I 9515 kc/s, KCBR 6185 kc/s, KRCA 6060 kc/s, Honolulu I 9515 kc/s, Honolulu II 15250 kc/s, Manila I 11890 kc/s, Manila II 15330 kc/s, Manila III 17780 kc/s.*
10.15–10.30 Korean.

**India and Pakistan Program**
*On GRZ 21640 kc/s and GSG 17790 kc/s*
12.45–13.00 Hindi and Urdu (Tues. Fri.)
12.45–13.15 Hindi and Urdu weekly roundup (Sat.)
**Broadcasts of Meetings** (with narration in *English* and *French*).
WRCA 21610 kc/s: 15.30–18.00, 20.00–21.00.
WRCA 11770 – : 20.00–03.00.
WRCA 9615 – : 20.15–03.00.
WABC 15130 – : 15.30–18.00, 20.00–23.45.
All the above beamed to *Europe* and the *Middle East*
15.30–18.00 morning meetings.
20.00 to closing, afternoon meetings.
**Announcement:** "This is the United Nations calling the peoples of the World". This introductory phrase is used in all the official UN programs in all of the languages concerned.
**Interval Signal:**




**Message to Listeners:** The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio verification card, new correspondents being sent a copy of the Charter, Basic Facts about the United Nations, and booklets about all the Specialized Agencies. – Correspondence, requests for copies of the schedule of U. N. broadcasts which can be heard in the United States, should be addressed to: *United Nations Radio, Lake Success, N. Y., U. S. A.* or to the Director of the nearest UN Information Centre. These centres are located in Buenos Aires, Cairo, Copenhagen, Geneva, London, Mexico City, Moscow, New Delhi, Paris, Prague, Rio de Janeiro, Shanghai, Sydney, Teheran, Warsaw and Washington.

# CENTRAL AMERICA

## COSTA RICA

**Population:** 835.000. **Licensed Listeners:** 30.000.

| Stations: | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| TIGPH | 5880 | 51.00 | 1 | TIEP | 6700 | 44.78 | 2 |
| TIRH | 6150 | 48.78 | 0.25 | TIPG | 9620 | 31.19 | 3 |
| TILS | 6165 | 48.66 | 2 | TIFC | 9645 | 31.10 | 0.3 |

**Language for all stations Spanish.** – (Commercial exc. TIFC).
**Daily Programs:** 12.00–05.00. *News:* 17.00, 21.00, 00.00.
**TIGPH – ALMATICA. Address:** Apartado 800, S. José.
**Daily Programs:** 12.00–04.00.
**TIRH – RADIO EL MUNDO, SAN JOSÉ.**
**Daily Programs:** 02.30–05.00.
**TILS – RADIODIFUSORA PARA TI.**
**Address:** Apartado 3, San José. **Daily Programs:** 16.00–04.30.
**TIEP – LA VOZ DEL TROPICO, SAN JOSÉ.**
**Daily Programs:** 12.00–05.00.
**TIPG – LA VOZ DE LA VICTOR.**
**Address:** Apartado 225, San José.
**TIFC – THE LIGHTHOUSE OF THE CARRIBEAN. Missionary Broadcasting Station.**
**Address:** Apartado 1307, San José.
**Daily Programs:** 21.00–05.00. *Spanish:* 21.00–03.00. – *English:* 03.00–05.00 (Mo. also 20.00–20.30).
**Verification** by QSL-cards.

## CUBA

**STATIONS:**
**All stations commercial except COX4 and COX7.**
*Medium Waves:*

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| CMHI | 570 | 526.0 | 10 | COBQ | 9235 | 32.49 | 1 |
| CMCY | 590 | 508.5 | 25 | COCX | 9273 | 32.33 | 1 |
| CMHQ | 630 | 468.7 | 15 | COBC | 9362 | 32.05 | 1 |
| CMQ | 640 | 476.4 | 25 | COCH | 9437 | 31.80 | 1 |
| CMBC | 690 | 434.7 | 50 | COCO | 9535 | 31.46 | 5 |
| CMKJ | 730 | 411.0 | 10 | COBQ | 9540 | 31.45 | 1 |
| CMCD | 740 | 405.0 | 10 | COX4 | 9640 | 31.12 | 5 |
| CMCH | 790 | 379.7 | 10 | COCQ | 9670 | 31.02 | 1 |
| CMBL | 860 | 348.8 | 15 | COCQ | 9740 | 30.80 | 1 |
| CMCF | 910 | 329.7 | 10 | COBL | 9833 | 30.51 | 1 |
| CMJL | 920 | 326.1 | 10 | COCX | 11650 | 25.75 | 1 |
| CMCX | 1060 | 283.0 | 10 | COCY | 11740 | 25.55 | 1 |
| | | | | COBH | 11800 | 25.42 | 1 |
| *Short Waves:* | | | | COBZ | 17820 | 16.84 | 1 |
| COX7 | 4290 | 69.63 | 5 | COBC | 17850 | 16.81 | 1 |
| COCO | 6010 | 49.92 | 5 | COCY | 21620 | 13.87 | 1 |
| COCD | 6130 | 48.94 | 1 | COCW | 21740 | 13.81 | 1 |
| COCW | 6322 | 47.46 | 1 | *F. M. Stations:* | | | |
| COCY | 6450 | 46.51 | 1 | | mc/s | m | kW |
| COCQ | 6625 | 45.32 | 1 | CM21Q | 43.2 | 6.95 | 0.25 * |
| COJK | 8663 | 34.63 | 1 | | 101.5 | 2.96 | 0.25 * |
| COCQ | 8825 | 33.92 | 1 | | 101.9 | 2.94 | 0.25 * |
| COKG | 8955 | 33.50 | 1.2 | | 102.3 | 2.93 | 3 * |
| COBZ | 9026 | 33.24 | 1 | CM21L | 102.7 | 2.92 | 1 |

* under construction

**Television Stations:** * under construction

| | | |
|---|---|---|
| Cia Television del Caribe SA. | 60–66 mc/s | 5 * |
| Union Radio | 66–72 – | 5 * |
| CMCQ | 82–86 – | 5 * |

**CMQ/CMHQ/CMJL/CMKJ/COCQ – Address:** Circuito CMQ, S.A., Radiocentro, Ly 23, Vedado, Habana.
**Leading Personalities:** Director General Mr. Goar Mestre, Director of News Mr. Abel Mestre. Chief Engineer Mr. R. L. Guiral. Administrator Mr. M. A. Gutierrez. Chief of Programs Mr. Cores Manuel. Chief of Television Programs Mr. Ramiro Gomez Kemp.
**Daily Programs:** 11.00–05.00.
*News:* (W = Weekdays, * = exc. Mo.) 11.42*, 12.25*, 12.57*, 15.55 (Sun), 16.52 (W), 17.25 (W), 22.58 (W), 23.25 (W), 01.54 (W), 03.37 (W), 04.00 (W), 04.25 (W).
**Announcement:** "CMQ Desde Radiocentro, La Habana".
**Verification** by QSL-card.
**CMCF/COCH – Address:** Union Radio S.A., Radio Internacional SA., Pasco de Marti 107, Habana.
**Leading Personalities:** President Mr. Gaspar Pumajero Suhc. Vice-President Mr. José Lopez Menendez.
**Daily Programs:** 12.00–05.00. **Verification** by QSL-card.
*"Ahora en Cuba":* 03.00. – *Festival Program:* 01.30.
**Announcement:** "Aquí Está Union Radio".
**CMHI/CMCY/COCY – Address:** Radio Habana Cuba, Cadena Azul, Paseo de Marti 53, Habana.
**Daily Programs:** 11.00–05.05. – *News:* 22.30, 22.45, 05.00.

# CENTRAL- AND SOUTH AMERICA

HABANA
ST. CLARA
MEXICO CITY
PORT-AU-PR.
SANTIAGO
CIUDAD TRUJILLO
QUEZALTENANGO
GUATEMALA CITY
SAN SALVADOR
COLON
CARACAS
TRINIDAD
BOLIVAR
SAN JOSE
MEDELLIN
PANAMA CITY
BOGOTA
QUITO
GUAYAQUIL
BELEM
S. LUIZ
FORTALEZA
TERESINA
RECIFE
LIMA
BAHIA
LA PAZ
BELO HORIZONTE
RIO DE JANEIRO
ANTOFAGOSTA
SAO PAULO
ASUNCION
ENCARNACION
PORTO ALEGRE
MENDOZA
RIO GRANDE
ROSARIO
VALPARAISO
SANTIAGO
MONTEVIDEO
BUENOS AIRES
BAHIA BLANCA
N

*1. Radio Programas Continental, Panama City. Trio Istmeno can be heard daily from R.P.C. beetween 23.30 and 04.00 G. M. T.*
*2. Radio Cadena Suaritos, Havana Cuba. The famous Cuban artist Miss Avelina Londin, who can often be heard on 9833 hc/s.*
*3. Director of the Magloire Circuit, Port au Prince, Haiti 4. Radio Cadena Suaritos, Havana, Cuba. The famous Cuban artist Miss Tona La Negra, who often broadcast on 9833 kc/s*

map Central America South America Panama Radio Programas Continental Trio Istmeno Radio Cadena Suaritos Havana Cuba Avelina Londin Magloire Circuit Port au Prince Haiti Tona La Negra

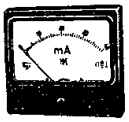
# HM ELECTRICAL MEASURING INSTRUMENTS

## Extract of our manufacturing programme

1

Cirkular Models

2

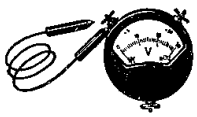


Square Models

**SMALL PANEL- AND SWITCHBOARD INSTRUMENTS**

All types, sizes single and multiple ranges for DC and AC power frequencies and radio frequencies.

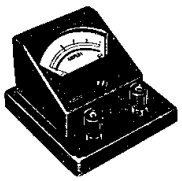
3



**SMALL CLOCK-SHAPED PRECISION MODEL**

with one or two ranges DC, AC, also as drycell tester

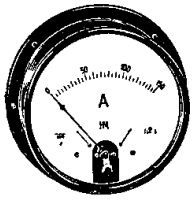
4



**SMALL TABLE MODEL**

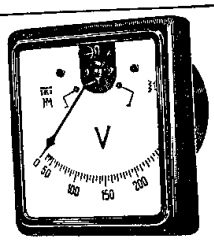
of many single and multiple ranges for DC and AC, also as ZEROPOINT-galvanometer.

5



Cirkular Models

6



Square Models

**LARGE PANEL- AND SWITCHBOARD INSTRUMENTS**

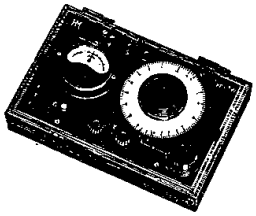
in all types and sizes, single and multiple ranges for DC and AC power frequencies and radio frequencies.

7

**STATIONARY TACHOMETERS**

with different case diameters and shapes. Special Feature: Patented temperature-compensator.

8



**MEASURING BRIDGES**

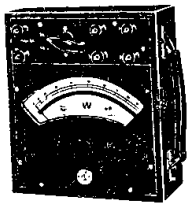
with self-contained power source, different types and ranges.

9

**SMALL PORTABLE INSTRUMENTS**

of many types, single and multiple ranges for DC, AC power frequencies and radio frequency pocket-size meters.

10



**LARGER PORTABLE INSTRUMENTS**

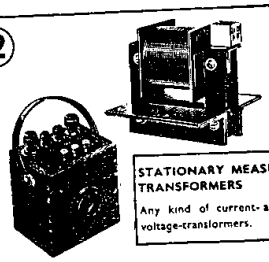
in all types as general testing instruments and as laboratory instruments, single and multiple ranges for DC, AC power frequencies, radio frequency and as pyrometer-measuring instrument.

11

**PORTABLE INSULATION TESTER**

with self-contained DC inductor for many MEGOHM-ranges and voltages — DC and AC ranges.

12



**STATIONARY MEASURING TRANSFORMERS**

Any kind of current- and voltage-transformers.

**PORTABLE MEASURING TRANSFORMERS**

Any kind of current-transformers, single and multiple ranges.

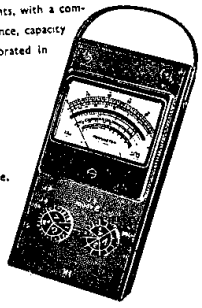
13

**TOVAMETER**

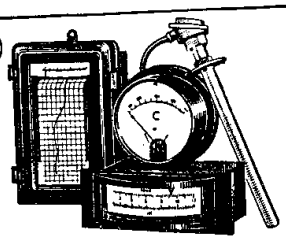
Universal AC/DC instrument with 30 ranges for volt-milliampere-ampere measurements, with a common linear graduation from zero (patented device). In addition it can measure resistance, capacity and power (decibels). Self-contained power supply. The following ranges are incorporated in the instrument:

| | |
|---|---|
| Direct-Current: | 1 . 10 . 100 . 1000 mA . 10 Amp. |
| DC Voltage: | 0.1 . 2.5 . 10 . 100 . 250 . 1000 Volts. |
| Alternating-Current: | 1 . 10 . 100 . 1000 mA . 10 Amp. |
| AC Voltage: | 2.5 . 10 . 50 . 100 . 250 . 1000 Volts. |
| Output-meter: | -20 . 0 . +10 db with 0 db at 50 mW on 5 Ω range. |
| Output-meter: | -20 . 0 +10 db with 0 db at 50 mW on 5000 Ω range. |
| Ohm-meter: | 0 - 1000; 0 - 10000; 0 - 100000 Ohms. |
| Ohm-meter: | 0 - 10 MΩ at 220 V~ 0 - 20 MΩ at 440 V. |
| Capacity measurements: | 5 pF - 0.05 pF. 50000 pF - 500 pF. |

We can supply separate shunts and small current-transformers, so that additional ranges up to 1000 amps. DC and 500 amps. AC can be obtained.



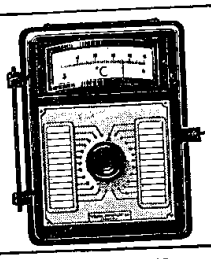
14



**PYROMETERS**

Any kind of indicating, regulating and registrating instruments, further thermoelements for any purpose.

15



**ELECTRICAL-RESISTANCE-THERMOMETER-UNITS**

for remote measuring control of until 35 points in watertight or open types.

We can offer you many other kinds of electrical measuring instruments not mentioned in this extract, and should you require further information please request our catalogues, lists and drawings. NOTE: Please quote the appropriate encircled number with all inquiries.


**HELWEG MIKKELSEN & CO.**

Øster Farimagsgade 28 . Cable: Helmikmeter

COPENHAGEN Ø . DENMARK

FOUNDED 1918


advertisement Helweg Mikkelsen

**Announcement:** Call letters of the network and "RHC Cadena Azul" every half hour. – **Verification** by QSL-card.
**CMBL/COBL/CM21L – Address:** Radio Cadena Suaritas S.A., Calle 25, Num. 1113, Vedado, Habana.
**Leading Personality:** President Mr. Laurcano Suarez.
**Daily Programs:** 12.35–05.00. – **Verification** by QSL-letter.
**COCW – Address:** "Cadena Roja", Paseo de Marti Num. 53, Habana.
**Daily Programs:** 13.00–05.00.
*News:* 13.00, 17.30, 17.45, 24.00, 00.15.
**CMCH/COBH – Address:** Radio Cadena Habana, S.A., Edificio O. Aliades, San José y Belascoain, Habana.
**Daily Programs:** 11.30–05.00.
*News:* 11.30, 11.45, 17.30, 17.45, 23.00, 23.15, 01.00.
**CMBC/COBC – Address:** Radio Progreso, San José, Num. 104, Habana.
**Daily Programs:** 13.00–05.15. **Verification** by letter.
**COBZ – Address:** Las Emisoras Mas Antiguas de Cuba, San Rafael Num. 108, Habana.
**Daily Programs:** 11.00–05.30. **Verification** by QSL-card.
**COX4/COX7 – Address:** Radiodifusora del Ministerio de Educación, Avenida de Columbia, Habana.
**Daily Programs:** 12.00–05.00. Cultural Programs.
**COCO – Address:** Cia Radiodifusora COCO y CMCK, SA. "Periódico del Aire", Manrique 166, Habana.
**Daily Programs:** 13.00–06.30.
**CMCD/COCD – Address:** "Lo Voz del Aire", Hotel Palace, 25 y G, Vedado, Habana.
**Daily Programs:** 15.00–04.00. – **Verification** by QSL-card.
**COBQ – Address:** La Voz de Cuba, Vista Alegre 269, Vivora, Habana.
**Daily Programs:** 13.00–05.00. – **Verification** by QSL-card.
**COCX – Address:** Talleres Tipográficos Nacionales, SA. La Emisora del Pueblo, Guanabacoa, Habana.
**Daily Programs:** 12.30–05.30.
**COJK – Address:** La Voz de l Camagueyano, Finlay No. 4., Camaguoy.
**Daily Programs:** 13.00–03.00.
**COKG – Address:** Cadena Oriental de Radio, E. Palma no. 658, Santiago de Cuba, Oriente.
**Daily Programs:** 11.30–05.00. – **Verification** by letter.
**CMCX – Address:** Circuito Occidental de SA.,Radio Lamparilla Num. 418, Habana.

## CURAÇAO

**Address:** "Curom", P.O. Box 31, Willemstad, Curaçao.
**Raliopublications:** Curom-gids.
**Leading Personality:** Manager Mr. W. P. G. Stokla.
**Stations:** Willemstad PJC2
5010 kc/s 59.88 m 3 kW – 7250 kc/s 31.38 m 3 kW
**Daily Programs** in *Dutch:*
*Weekdays* 16.30 (Sun. 13.30)–17.30 and 23.00–03.00
**Announcement:** "Hier is de "Curom", de Juliana Zender te Willemstad op Curaçao Nederlandsch West Indie".
**Verification** by QSL cards.

## DOMINICAN Rep.

**Population:** 2.182.000. **Licensed Listeners:** 20.000.
**Stations:** (Commercial). –

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| HI3T | 1040 | 288.5 | 10 | HI4T | 5970 | 50.25 | 7.5 |
| HI3C | 4890 | 61.35 | 0.03 | HI9B | 6000 | 50.00 | 0.2 |
| HI1A | 4980 | 60.24 | 0.075 | HI1J | 6025 | 49.79 | 0.1 |
| HI8Z | 5030 | 59.67 | 0.2 | HI1N | 6050 | 49.59 | 0.7 |
| HI1Z | 6112 | 49.06 | 1 | HI2L | 9525 | 41.50 | 0.5 |
| HI1G | 6130 | 48.94 | 0.25 | HI2G | 9590 | 31.28 | 0.25 |
| HI1R | 6160 | 48.70 | 0.2 | HI2A | 9680 | 30.99 | 1 |
| HI9T | 6190 | 48.47 | 0.1 | HI2T | 9727 | 30.84 | 7.5 |

**Hours of transmission for all stations** in *Spanish:* 12.00–05.00.
**HI3T/HI2T/HI4T – LA VOZ DOMINICANA, CIUDAD TRUJILLO.** – **Verification** by QSL-cards.
**HI3C – LA VOZ DEL PAPAGAYO.**
**Address:** Bella Vista 49, La Romana.
**HI1A – RADIO CARIBE.**
**Address:** Radio Caribe, Apartado 423, Santiago.
**HI8Z – CADENA NACIONAL DE RADIO.**
**Adss:** Mr. Luis F.der Moscoso C, Santiago.
**HI9B – BROADCASTING HOTEL MERCEDES.**
**Address:** Mr. Jacinto L. Sánchez, Santiago.
**HI1J – ONDAS NACIONALES.** SAN PEDRO DE MACORIS. – **Verification** by QSL-cards.
**HI1N – EMISORAS UNIDAS.**
**Address:** La Voz del Partido Domicana, Ciudad Trujillo.
**HI1Z – LA VOZ DE LOS MUCHACHOS.**
**Address:** Broadcasting Nacional, Apartado 1092, Ciudad Trujillo. **Verification** by QSL-letter.
**HI1G/HI2G – EMISORAS HIG, CIUDAD TRUJILLO.**
**HI1R – LA VOZ DE FUNDACION.**
**Address:** Calle Constitution, San Christobal. **Verification** by QSL-card.
**HI9T – BROADCASTING TROPICAL. PUERTO PLATA. Verification** by QSL-card.
**HI2L – LA VOZ DEL TROPICO.**
**Address:** La Voz del Tropico, Apartado 335, Ciudad Trujillo. **Verification** by letter.
**HI2A – LA VOZ DE LA REELECCION, SANTIAGO.**
**Verification** by QSL-card.

## GUADELOUPE (French West Indien)

**Address:** Radio Diffusion Française Préfecture, Basse-Terre, Guadeloupe.
**Leading Personalities:** Director Mr. Zanantoni. Manager Mr. L. Barrat.
**Stations:** Radio Guadeloupe.
FG8HA 7447 kc/s 40.29 m 0.05 kW
**Daily Programs** in *French* from 16.00–17.30 and 22.45–01.00. News at 16.30 and 22.25. – *Relays from Paris:* 00.00–00.30.
**Announcement:** "Ici Radio Guadeloupe, Poste Nationale Français".

## GUATEMALA (Isthmania)

**Population:** 3.500.000. **Licensed Listeners:** 40.000.
**Language for all Stations: Spanish. All stations exc. R. Nacional: Commercial.**
**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| TGOA | 4169 | 71.90 | 5 | TGWB | 6440 | 46.58 | 1 |
| TGOA | 6101 | 49.18 | 0.5 | TGOA | 6497 | 46.19 | 0.5 |
| TGX1 | 6190 | 48.47 | 0.1 | TG2 | 6620 | 45.32 | 1 |
| TGJA | 6230 | 48.16 | 1 | TGZA | 6660 | 45.05 | 0.25 |
| TGRA | 6255 | 47.96 | 0.15 | TGRB | 6860 | 43.73 | 0.15 |
| TGTQ | 6285 | 47.73 | 0.20 | TGBC | 6899 | 43.49 | 0.1 |
| TGLA | 6295 | 47.66 | 0.2 | TGDA | 7462 | 40.20 | 0.05 |
| TGTA | 6335 | 47.35 | 1 | TGBA | 8100 | 37.00 | 1 |
| TGQA | 6401 | 46.87 | 0.4 | TGWA | 9760 | 30.74 | 10* |
| TG3 | 6410 | 46.80 | 0.3 | TGWA | 15170 | 19.78 | 10* |
| | | | | TGZA | 15303 | 19.60 | 0.25 |

* Government stations.

**TGOA – LA VOZ DE LAS AMERICAS, GUATEMALA CITY. Daily Programs** from 12.30–05.03.
**TGX1 – LA VOZ DEL PUEBLO.**
**Address:** Periodico Liberal Progresista, Guatemala.
**TGJA RADIO NUEVO MUNDO, GUATEMALA CITY.**
**Daily Programs:** 13.00–05.05.
**TGRA/TGRB – RADIO LIBERTAD, LA VOZ DE LA GUARDIA CIVIL, GUATEMALA CITY.**
**Daily Programs:** 00.00–03.02.
**TGTQ – RADIO INTERNACIONAL, LA VOZ DE CAPITAL, GUATEMALA CITY.**
**Address:** Sa. Avenida Sur 9, Guatemala City.
**Daily Programs:** 00.00–05.20.
**TGLA – LA VOZ DE CENTRO AMERICA.**
**Address:** Radio Periodico y Difusora, 10a Calle Oriente, num. 22, Guatemala City.
**Daily Programs:** 00.30–04.00. **Verification** by letter.
**TGTA – RADIO BOLIVAR.**
**Address:** Avenida Bolivar 13–201, Guatemala City.
**Daily Programs:** 00.00–05.00. **Verification** by QSL card.
**TGQA – LA VOZ DE QUEZALTENANGO, QUEZALTENANGO. Daily Programs:** 01.00–04.30.
**TG2/TG3 – RADIO MORSE, LA VOZ DE LIBERTAD, GUATEMALA CITY.**
**Daily Programs:** 12.30–14.00, 18.00–04.30.
**TGWA/TGWB – RADIO NACIONAL.**
**Address:** Radio Nacional, *La Voz de Guatemala*, Ciudad de Guatemala.
**Leading Personality:** Director, Mr. Miguel A. Sanoval.
**Daily Programs** from TGWA (Commercial programs) on 19.78 m from 12.30–20.00 and on 30.74 m 23.00–05.00.
**Daily Programs** from TGWB (Cultural Programs) 12.30–18.00 (Relay TGWA), 18.00–20.03, 22.57–05.01
**Announcement:** "La Voz de Guatemala".
**Verification** by QSL card.
**TGZA – RADIO ORIENTAL DE ZACAPA, ZACAPA.**
**Daily Programs:** 14.00–03.45.
**TGRB – LA VOZ DE LA GUARDIA CIVIL, GUATEMALA CITY. Daily Programs:** 22.00–03.00.
**TGBC – LA VOZ DE MAZATENANGO, MAZATENANGO. Daily Programs:** 01.45–03.45.
**TGDA – LA VOZ DE OCCIDENTE.**
**Address:** Indepedencia 8, Quezaltenango.
**Daily Programs:** 13.00–14.00, 18.00–19.00, 00.00–03.03.
**TGBA – LA VOZ DEL PACIFICO.**
**Address:** Mazatenango, Suchitepéquez.
**Daily Programs:** 13.00–15.00, 17.00–19.00, 01.00–03.00.
**Verification** by letter.

## HAITI

**Population:** 3.000.000. **Licensed Listeners:** 10.000.
**Stations.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| 4V2S | 5951 | 50.46 | 0.5 | 4VBM | 9660 | 31.06 | 1.0 |
| 4VGM | 6165 | 48.66 | 1.0* | 4VEH | 9884 | 30.35 | 0.7 |
| 4VCM | 6407 | 46.83 | 0.1 | 4VRW | 10205 | 29.40 | 1.4 |
| 4VCM | 6660 | 45.05 | 0.1 | | | | |

*) to be increased to 5 kW. **All stations commercial.**
**4VRW – STATION DE RADIODIFFUSION 4VRW.**
**Address:** Rue Boun Fer, Box A 117, Port-au-Prince.
**Leading Personality:** Director, Mr. C. R. Widmaier.
**Daily Programs** in *French* from 11.00–13.30, 17.00–20.00, 23.00–03.00 (Sun. 17.00–22.00). – **Interval Signal:** Chimes.
**4V2S – RADIO PORT AU PRINCE.**
**Address:** Société Haïtienne de Radiodiffusion, Govt. Rue du Centre, Port-au-Prince.
**Daily Programs:** *French* 11.30–12.37, 17.00–19.30 and 23.00–03.00. (Sun. 01.00).
**4VBM-4VGM. MAGLOIRE BROADCASTING CIRCUIT**
**Address:** 36, rue Americaine, Port-au-Prince.
**Leading Personalitiy:** Director Mr. Fr. C. Magloire.
**Daily Programs** in *French:* 11.00–15.00, 17.00–20.00, 22.00–04.00. – *News:* 12.00, 17.30, 02.0.0
**Interval Signal:** Five chimes every quarter of an hour.
**Verification:** by QSL-letter.
**4VEH – RADIO STATION 4VEH.**
**Address:** Box 1, Cap Haitien, Haiti. (The station is operated by the "East and West Indies Bible Mission").
**Lezding Personality:** Director Mr. G. T. Busten.
**Daily Programs:** *In English:* 11.15–12.00 (Wed.), 02.00–02.45 (Mo.) – In *Spanish:* Daily 12.00–13.00, 00.00–02.00 (not Mo.) Sun.: 23.00–00.15. Mo.: 01.00–02.00. – In *French* and *Creole:* Mo. 00.15–01.00.
**Announcements:** In *English:* "This is Radio Station 4VEH, Cap Haitien, Haiti". – In *French:* "C'est la Voix Evangélique d'Haiti, Station Radio Diffusion 4VEH, Cap Haitien, Haiti". – In *Spanish:* "Radiodifusora 4VEH Cabo Haitiano, Haiti". – **Verification** by QSL-card.
**Future Plans:** It may be necessary to change to one or more of the following frequencies after Dec. 31.: 9765, 11715 and 11795 kc/s. A 10 kW short wave transmitter is under construction.

## HONDURAS (Rep.)

**Population:** 1.500.000. **Listeners:** 100.000.
**HROW-RADIO MONSERRAT**
**Language for all Stations: Spanish. – All stations commercial exc. HROW.**
**Stations.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| HRN | 5875 | 51.06 | 1 | HRD2 | 6235 | 48.12 | 0.3 |
| HRA | 5925 | 50.66 | 1 | HRP1 | 6351 | 47.24 | 0.6 |
| HROW | 6020 | 49.83 | 1 | HRLP | 6410 | 46.80 | 0.6 |
| HRQ5 | 6070 | 49.42 | 0.25 | HRXW | 8990 | 33.37 | 0.25 |
| HRQ | 6125 | 48.98 | 1 | | | | |

**HRN – LA VOZ DE HONDURAS, TEGUCIGALPA.**
**Daily Programs:** 12.30–20.00, 23.00–04.00.
**HRA – LA VOZ DE LEMPIRA, TEGUCIGALPA.**
**Daily Programs:** 13.00–15.00, 17.30–04.00.
**Address:** Radio Monserrat, Cadena Radial Hondurena, Tegucigalpa. *Cable:* "Monserrat".
**Leading Personalities:** Owner and Director, Mr. Alfredo León Gómez.
**Stations:** Tegucigalpa HROW. 3 kW.
850 kc/s 352.9 m 6675 kc/s 44.95 m 6020 kc/s 49.83 m.
**Daily Programs** in *Spanish:* 12.00–05.00.
*News:* 13.00, 18.45, 19.20 (local), 23.45, 03.00, 04.45.
*Radio Theater Monserrat:* Daily 01.30–02.45.
Other programs consist of national and foreign music and various entertainment.
**HRQ5 – LA VOZ DE SUYAPA, TEGUCIGALPA.**
**HRQ – LA VOZ DE SUYAPA, SAN PEDRO SULA.**
**Daily Programs:** 12.00–05.00.
**HRD2 – LA VOZ DE ATLANTIDA.**
**Address:** Avenida 14 de Julio, La Ceiba.
**Daily Programs:** 16.30–19.30, 23.00–03.00.

**HRP1 – EL ECO DE HONDURAS, SAN PEDRO, SULA. Daily Programs:** 16.00–19.30, 23.00–04.00.
**HRLP – LA VOZ POPULAR, TEGUCIGALPA.**
**HRXW – RADIO COMAYAGÜELA, COMAYAGÜELA. Daily Programs:** 17.30–20.00.

## HONDURAS (British)

**Address:** Government Radio Station c/o Colonial Postmaster, Belize, British Honduras.
**Station:** ZIK2 10600 kc/s 28.30 m 0.2 kW.
**Daily Programs** in *English* 13.00–17.45. *News* 13.30.

## JAMAICA (British West Indies)

**Population** 1.300.000. **Listeners** 15.000.
**Address** Radio Jamaica, Broadcasting House, Cross Roads P.O., Jamaica. B.W.I. – Cable "Broadco".
**Leading Personality** Managing Director Mr.K.T. Murray.
**Stations** Radio Jamaica, ZQI.
880 kc/s 340.9 m 5.0 kW 4950 kc/s 60.60 m 5 kW
**Daily Programs** in *English* Weekdays 12.00–14.00, 21.00–04.00. Sun. 12.00–19.00 and 21.00–04.00
**Announcement** "This is Radio Jamaica" at 15-minutes intervals. All transmissions are opened with the chorus from Elgars' "Land of Hope and Glory".

## MARTINIQUE (French West Indies)

**Address:** Le Directeur du Service d'Information, Fort-de-France.
**Leading Personalities:** Director, Mr. Zanantoni. Manager, Mr. R. Hennebault.
**Stations:** Radio Martinique.
FNRI 9700 kc/s 30.93 m 2.5 kW.
**Daily Programs:** 10.30–11.30 (Sun. 11.30–13.00), 16.15–17.45, 22.30 (Sun. 22.00)–01.15 (Sun. 01.30).
*News:* 11.00, 17.00, 00.00 (Relays from Paris).
**Announcement:** "Ici Radio Martinique, Poste National Francais".
**Interval Signal:** The first six notes of "Sous les Ponts de Paris" played on Xylophone. – **Verification** by QSL-card

## MEXICO

**Population:** 22.776.000. **Listeners:** approx 750.000.
**Language for all stations: Spanish.**
**STATIONS:**
**Medium Waves.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| XEX | 730 | 410 | 250 | XEQ | 940 | 319 | 50 |
| XEFW | 810 | 370 | 50 | XEDP | 1060 | 283 | 50* |
| XEUN | 860 | 342.8 | 5 | XEB | 1220 | 246 | 100 |
| XEW | 900 | 333 | 180 | | | | |

**Short Waves.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| XEJG | 4820 | 62.24 | 0.2* | XEWW | 9500 | 31.58 | 10 |
| XEOJ | 6010 | 49.92 | 2.5 | XEFT | 9545 | 31.43 | 0.25 |
| XEUW | 6020 | 49.83 | 0.25 | XETT | 9555 | 31.40 | 0.5 |
| XEKW | 6030 | 49.75 | 0.5 | XEYU | 9600 | 31.25 | 0.25* |
| XETW | 6045 | 49.66 | 0.1 | XERQ | 9610 | 31.22 | 5 |
| XEUZ | 6130 | 48.94 | 0.1 | XEBT | 9625 | 31.27 | 10 |
| XEEP | 6155 | 48.75 | 1* | XEQQ | 9680 | 30.99 | 1 |
| XEXA | 6175 | 48.58 | 0.1* | XEBR | 11820 | 25.38 | 0.15 |
| XECC | 6185 | 48.50 | 0.05 | XEHH | 11880 | 25.25 | 1 |

***) Cultural stations. Other stations commercial.**

**XEX – LA VOZ DE MEXICO.**
**Address:** Cordoba 48 Mexico D. F.
**Daily Programs:** 13.00–06.00. *News:* 13.45, 21.00, 23.53, 01.15, 03.00, 03.45, 04.15, 05.50.
**XEUN/XEYU – Address:** Radio Universidad Nacional, Calle de Justo, Sierra No. 16. Mexico DF. Mexico.
**Leading Personalities:** General Manager Mr. Alejandro Quijano Jr. Chief of Relations Mr. Ezequil Linares Mocezuma. – **Daily Programs** in *Spanish:* 10.00–17.00.
**Daily:** *Symphony, Mexican Music, Chamber Music and Mexican Folkmusic, Talks by the University Teachers, News, Radio Theatre and different Programs for Students.*
**Interval Signal:** 5 notes on carrillon (Mi, Mi, Sol, Sol and Do). **Verification** by QSL-cards.
**Future Plans:** A television station will probably be ready in 1952.
*XEUN and XEYU belong to the selfgoverning Mexican National-University and are cultural non-commercial stations in cooperation with the United Nations.*

**XEJG – GOBIERNO DEL ESTADO DE JALISCO.**
**Address:** Palacio de Gobierno, Guadalajara.
**Daily Programs:** 03.00–05.00.

**XEEP – SECRETARIA DE EDUCACION PUBLICA.**
**Address:** Av. Argentina y G. Obregon, Mexico D.F.

**XEDP/XEXA – RADIO GOBERNACION, MEXICO**
**Address:** Calle de Bucareli, Mexico City.
**Daily Programs:** 13.00–06.00.

**XEW/XEWW – LA VOZ DE LA AMERICA LATINA DESDE MEXICO.**
**Address:** Cadena Radiodifusora Mexicana S.A., Calle Ayuntamiento No. 54, Mexico D.F.
**Daily Programs:** 12.55–06.00.
**Announcement:** Call given every quarter of the hour "XEW y XEWW Ciudad de Mexico" preceded by four descending chimes. – **Verification** by QSL card.

**XEB/XEBT – LAS EMISORAS DE AMERICA**
**Address:** Estaciones Radiodifusoras Comerciales XEB and XEBT, Calle Buen Tono No. 6. Apartado Postla 7944, Mexico D. F.
**Leading Personality:** Managing Director Mr. A. Duprat.
**Daily Programs** in *Spanish:* 14.00–06.00.
**Interval Signal:** Melody: Liszt's "Liebestraum". Between each program cuckoo signals. – **Verification** by QSL-card.

**XEOY/XEOI – RADIO MIL.**
**Address:** Radio Mil, Fomento de Radio S.A., Donato Guerra No. 26, Mexico City.
**Daily Programs:** 13.00–06.00. *News* every full hour.

**XEQ XEQQ – LA CADENA AZUL.**
**Address:** Radio Panamericana XEQQ, José Maria Marroqui No. 11, Mexico D.F.
**Daily Programs:** 12.55–06.05. – *Mexican Music:* Daily 16.00. – **Verification** by QSL cards.

**XEFT – LA VOZ DE VERA CRUZ.**
**Address:** Independencia No. 74, Vera Cruz.
**Daily Programs:** 15.00–05.25.
**Verification** by QSL card.

**XEHH – SAL DE UVAS PICOT.**
**Address:** Zempoala No. 77, Mexico D.F.
**Daily Programs:** 13.55–06.00.

**XEKW – EL ECO DE MICHOACAN.**
**Address:** Aldama No. 154, Morelia.
**Daily Programs:** 12.00–17.00, 21.00–04.00.

**XETT – LA HORA EXACTA.**
**Address:** Dolores No. 17,4/to Piso, Mexico D.F.
**Daily Programs:** 12.00–06.00.

**XEUW – EL ECO DE SOTAVENTO DESDE.**
**Address:** Independencia No. 230, Vera Cruz.
**Daily Programs:** 12.00–06.00.
**XEUZ – RADIO CENTRAL DO MEXICO, S.A.**
**Address:** Oaxaca No. 106, Mexico D.F.
**Daily Programs:** 16.00–06.00.
**XEBR – RADIO DIFUSORA DE SONORA.**
**Address:** Serdan 144, Hermosillo.
**Daily Programs:** 14.00–17.00, 23.00–04.00.
**Verification** by QSL card.
**XEFW/XETW – LA VOZ DE TAMPICO.**
**Address:** Madero 204, Tampico.
**Daily Programs:** 12.45–05.45.
**XECC – IMPULSORAS DEL PROGRESO PUEBLA.**
**Daily Programs:** 02.00–05.00.
**XERQ – CORPORACION MEXICANA DE RADIO**
**Address:** Avenida Reforma 51, Mexico D.F.
**Daily Programs:** 03.00–06.00.

## NICARAGUA

**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| YNJJ | 4032 | 74.41 | 0.025 | YNTZ | 7460 | 40.21 | 0.1 |
| YNJAT | 5758 | 52.10 | 0.6 | YNFT | 7500 | 40.00 | 0.2 |
| YNRG | 6087 | 49.28 | 0.1 | YNAM | 7620 | 39.37 | 0.5 |
| YNAS | 6300 | 47.62 | 0.1 | YNLAT | 7625 | 39.34 | 0.4 |
| YNZZ | 6450 | 46.51 | 0.4 | YNDG | 7660 | 39.16 | 1 |
| YNHB | 6550 | 45.80 | 0.4 | YNMC | 8007 | 37.46 | 0.1 |
| YNAC | 6710 | 44.64 | 0.22 | YNXW | 8170 | 36.70 | 0.1 |
| YNVP | 6760 | 44.38 | 0.2 | HTXI | 8400 | 35.71 | 0.25 |
| YNOW | 6850 | 43.81 | 0.6 | YNCHA | 8440 | 35.55 | 0.1 |
| YNEQ | 6950 | 43.17 | 0.2 | YNWW | 9149 | 32.79 | 0.4 |
| YNRL | 7312 | 41.03 | 0.15 | YNV | 9570 | 31.35 | 2 |
| YNAO | 7360 | 40.76 | 0.2 | YNV | 11780 | 25.47 | 2 |
| YNXA | 7400 | 40.54 | 0.1 | | | | |

**Language for all stations Spanish. All stations commercial exc. YNV.**
**YNRL – La VOZ DE LA VICTORIA, GRANADA**
**YNTW/YNOW – LA VOZ DE LA AMERICA CENTRAL**
**Address:** 2 a Calle Noreste No. 607, Managua.
**Daily Programs:** 13.00–16.00, 17.00–20.00, 21.00–05.00.
**YNZZ – RADIO MUNDIAL, MANAGUA**
**YNJAT – LA VOZ DEL AIRE, LEON**
**YNEQ – LA VOZ DE LA VICTORIA**
**Address:** Apartado No. 338, Managua.
**Daily Programs:** *Weekdays* 13.00–16.00, 17.00–20.00, 21.00–04.00. *Sun.* 15.00–02.00.
**YNCHA – LA VOZ DE CARAZO, DIRIAMBA**
**Leading Personality:** Director General Mr. A. Rarrales.
**Daily Programs:** 01.00–03.00. – **Verification** by letter.
**YNJJ – RADIO CARAZO, JINOTEPE**
**YNRG – LA VOZ DE ORIENTE, GRANADA**
**YNAS – ONDAS DEL XOLOTLAN, MANAGUA**
**Daily Programs:** 12.00–13.45, 15.00–17.00, 18.00–20.00, 23.00–03.00.
**YNHB – RADIO PANAMERICANA, MANUGUA**
**Daily Programs:** 13.00–15.00, 17.00–22.00, 03.45–04.30.
**Interval Signal:** Three strokes on xylophone.
**Verification** by letter.
**YNAC – RADIO PAX, MANAGUA**
**YNVP – LA VOZ DE NICARAGUA**
**Address:** Radiodifusora YNVP "La Voz de Nicaragua". Managua. D.N.
**Daily Programs:** 12.00-15.00, 17.00-20.00 and 22.00-04.00.
**Interval Signal:** Every quarter of an hour the notes G-C-E-G.
**YNAO – ECOS DEL AIRE, MASAYA**
**Daily Programs:** 01.00–03.00.
**YNXA – ONDAS CULTURALES, MASAYA**
**YNTZ – RADIO MASAYA, MASAYA**
**YNFT – LA VOZ DE LA SULTANA, GRANADA**
**Daily Programs:** 22.00–02.00.
**YNAM – ACADEMIA MILITAR, MANAGUA**
**YNLAT – LA VOZ DEL MOMBACHO, GRANADA**
**Daily Programs:** 22.00–03.15. – **Verification** by letter.
**YNDG – RADIO COLONIAL, LEÓN**
**Daily Programs:** 23.00–03.00.
**YNMC – LA VOZ DE JINOTEPE, JINOTEPE**
**Daily Programs:** 17.30–19.00, 01.00–02.30.
**YNXW – RADIO AMERICA**
**Address:** 2da Avenida Sureste 409, Managua.
**Daily Programs:** 00.00–04.00.
**HTXI – RADIO MANAGUA, MANAGUA**

## PANAMA

**Population:** 680.000. approx. **Listeners:** 125.000.
**Language for all stations: Spanish. All stations commercial**
**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| HP5K | 6005 | 49.96 | 0.25 | HP5J | 9607 | 31.23 | 0.5 |
| HP5B | 6030 | 49.75 | 0.5 | HOJA | 9650 | 31.09 | 0.3 |
| HORT | 6060 | 49.50 | 1 | HP5A | 11700 | 25.64 | 0.5 |
| HP5H | 6122 | 49.00 | 0.5 | HOXC | 9660 | 31.06 | 7.5 |
| HOQQ | 6140 | 48.86 | 0.25 | HOXB | 11810 | 25.40 | 7 5 |
| HOB | 6200 | 48.39 | 0.3 | HOXA | 15100 | 19.87 | 7.5 |
| HOLA | 9505 | 31.56 | 1 | HOX-FM | 43300 | 6.47 | 1.0 |

**RADIO-PROGRAMAS CONTINENTAL (Commercial)**
**ADDRESSES:** Radio Programas Continental, Apartado 1795, Panama City. *Cable:* Erepece, Panama.
**HOHM/HO50:** "Radio Continental", Apartado 1795, Panama City. – **HOC/HP5A:** "Cadena Panamena de Radiodifusión", Apartado 1795, Panama City. – **HOK/HP5K:** "Cadena Panamena de Radiodifusión ",Apartado 33, Colon. – **HOJ/HOJA:** "Radio Provincias", Chitre.
**Leading Personalities:** Director General Mr. Fernando Eleta A. General Manager Mr. Alberto Arbésú. Technical Director Mr. Fred Jessee. Station Director, Colon: Mr. José Jaén y Jaén. Station Director, Chitre: Mr. Ramon Pereira.
**Daily Programs** in *Spanish* for all stations.
*Weekdays:* 11.00–05.00. – *Sundays:* 13.00–02.00.
*News:* Weekdays: 11.30, 17.30, 23.30, 03.45.
**Announcement:** »Transmite Radio Programas Continental por sus emisores HQUM 610 kc/s onda large y HQ5Q en 6045 kc/s bands da 49 metros, onda corta, en Panama Republica de Paname«,
**Interval Signal:** Chimes. – **Verification** by QSL letter.
**Future Plans:** F. M.-station under construction. From January 1951 two new medium wave stations HO58 580 kc/s and HOU 660 kc/s. –
Publish a monthly magazine "Ecos de Radio Programas Continental".
**HP5B – RADIO MIRAMAR.**
**Address:** Apartado 910, Panama City.
**Daily Programs:** In *English* and *Spanish* 23.00–05.40.
**Verification** by QSL card.
**HORT – RADIO BALBOA, PANAMA CITY.**
**Address:** Avenida Ecuador 9, Panama City.

**Daily Programs:** In *Spanish* 11.30–03.30.
**HP5H – LA VOZ DEL PUEBLO.**
**Address:** Apartado 1045, Panama City.
**Daily Programs:** in *Spanish* 12.00–05.00.
**HOQQ – RADIO NACIONAL.**
**Address:** De Mesa Hnos, Avenida Centr. 96, Panama
**Daily Programs:** In *Spanish* 13.00–15.00, 18.00–23.00, 03.00–04.30.
**HOB – RADIO PANAMERICANA, PANAMA CITY.**
**Daily Programs:** In *Spanish* 11.30–04.00.
**HOLA – RADIO ATLANTICO.**
**Address:** Apartado 444, Colon.
**Daily Programs:** In *English* and *Spanish* 12.58–18.05, 19.58–03.05. *News:* 17.35, 22.35. **Verification:** QSL card.
**HP5J – LA VOZ DE PANAMA.**
**Address:** La Voz de Panama, Servicio Publico de Radio, Apartado 867, Panama City.
**Daily Programs:** In *English* and *Spanish* 12.15–15.00, 21.00–03.30. **Verification** by QSL card.
**HOXB/HOXA/HOXC/HOX-FM – RADIOFUSORA CENTRO, CENTRO AMERICANA, PANAMA CITY.**

## EL SALVADOR REP.

**Population:** 2.000.000. **Listeners:** approx
**All stations exc. HUB and YSCP commercial.**
**Language for all stations. Spanish.**
**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| HUB | 4780 | 62.76 | 0.3 | YSR | 6265 | 47.88 | 1 |
| YSCP | 5187 | 57.83 | 1 | YSCP | 6300 | 47.61 | 1 |
| YSWW | 6000 | 50.00 | 1 | YSI | 7215 | 41.58 | 0.1 |
| YSABC | 6130 | 48.94 | 5 | YSO | 7270 | 41.27 | 1 |
| YSHQ | 6175 | 48.58 | 1 | YSF | 9250 | 32.43 | 1 |
| YSMA | 6180 | 48.54 | 0.5 | YSA | 9490 | 31.61 | 1 |
| YSP | 6200 | 48.39 | 1 | YSLL | 9540 | 31.44 | 1 |
| YSUA | 6250 | 48.00 | 1 | | | | |

**HUB – DIFUSORAS NACIONALES (Cultural) Govt.**
**Address:** Direccion General de Communicaciones Eléctricas, San Salvador.
**Daily Programs** (Cultural programs) from 18:00–19.00 and 00.00–04.00.
**YSCP – EMISORAS DEL PALACIO DE GOBIERNO**
**Address:** Press Department of the President of El Salvador, San Salvador.
**Daily Programs:** 16.00–17.00, 23.00–24.00, 01.00–02.00.
**YSWW – LA RADIO DEL PUEBLO.**
**Address:** Santa Ana 4a Calle Poniente, Santa Ana.
**Daily Programs:** 13.00–15.00, 18.00–20.00, 00.30–04.00.
**Verification** by QSL cards.
**YSMA/YSMM - LA VOZ SUPREMA DE OCCIDENTE – Address:** La Voz Suprema del Occidente, 11 C. P. y 12 Av. Sur, Apartado No. 98, Santa Ana.
**Leading Personalities:** Director General Mr. Gil Ovidio Guadrón. Chief Engineer Mr. Aguilar Morán Jr.
**Stations:** Santa Ana. 0.5 kW.
YSMM 1600 kc/s 187.5 m – YSMA 6180 kc/s 48.54 m
**Daily Programs:** 12.30–20.00, 23.00–04.00.
*News:* 18.00, 19.45, 00.45.
**Interval Signal:** Motif from the melody "Navidad Blanca"
**Future Plans:** A new short wave transmitter will be ready on December 19th, 1950.
**YSHQ – LA VOZ DEL PROGRESO, SAN MIGUEL**
**Address:** Radioprogramas de El Salvador, 17 Calle Oriente, San Miguel.
**Daily Programs:** 16.00–20.00, 23.00–05.00.
**YSP – LA VOZ DE CUSCATLAN**
**Address:** Calle Ruben Dario 46, San Salvador.
**Daily Programs** from 12.30–05.00.
**YSUA – RADIO MIL CINCUENTA.**
**Address:** Avenida Sur No. 50, S. Salvador.
**Daily Programs:** 12.00–05.00. *News:* 12.15, 19.30, 04.15.
**Interval Signal:** Gong. – **Verification** by letter.
**YSR – LA VOZ DE EL SALVADOR**
**Address:** 6a Ave. Norte No. 8, San Salvador.
**Daily Programs:** 17.00–05.00.
**YSI – RADIO INTER-CONTINENTAL,**
**Address:** Colonia la Rabida, San Miguelito, S. Salvador.
**Daily Programs:** 18.00–20.00 and 23.30–04.00.
**YSO – LA VOZ DE LA DEMOCRACIA**
**Address:** Calle Oriente 28, Apartado 4-8-4-, San Salvador.
**Daily Programs:** 17.00–04.00. – **Verification** by QSL cards.
**YSF – RADIO VANGUARDIA. SAN SALVADOR**
**Daily Programs:** 13.00–15.00, 18.00–20.00, 00.00–04.00.
**YSA – RADIO CULTURA, SANTA ANA**
**YSLL – SAN SALVADOR EN EL AIRE**
**Address:** Radio Corporacion Gonzalez, 11 Av. sur 21, San Salvador. – **Verification** by QSL-cards.

## TRINIDAD

**Population:** 600.000. **Licensed Listeners:** 13.000.
**Address:** Trinidad Broadcasting Company Limited, Broadcasting House, Port of Spain, Trinidad, B.W.I. *Cable:* Broadcast, Trinidad, B.W.I.
**Leading Personalities:** General Manager: Mr. W. Mac Lurg. Chief Engineer: Mr. R. Goodsman.
**Stations:** VP4RD. "*Radio Trinidad*".
1295 kc/s 231.6 m 2 kW 9625 kc/s 31.17 m 0.5 kW
**Daily Programs** in *English:* 10.00–03.00.
**Announcement:** "This is Radio Trinidad".
**Verification** by QSL-card. Return postage appreciated.

# SOUTH AMERICA

## ARGENTINA

**Population:** 16.500.000. **Licensed Listeners:** 1.500. 000.
**STATIONS:**
**All stations, exc. SRI, and LRA1 commercial**
**Language for all stations: Spanish.**
**Medium Waves.**
LR3 950 kc/s 315 m 90 kW – LR4 990 kc/s 303 m 50 kW
LR1 1070 – 280 – 50 –
**Short Waves.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| LRS | 3430 | 87.46 | 5 | LRX | 9660 | 31.06 | 25 |
| LRS2 | 5985 | 50.12 | 20 | LRA1 | 9690 | 30.96 | 20 |
| LRS1 | 6055 | 49.55 | 5 | LRT | 11840 | 25.34 | 5 |
| LRY1 | 6090 | 49.26 | 5 | LRS | 11880 | 25.25 | 10 |
| LRX1 | 6120 | 49.02 | 10 | LRA1 | 11915 | 25.17 | 20 |
| LRM | 6180 | 48.54 | 10 | LRU | 15290 | 19.62 | 25 |
| LRS | 9315 | 32.21 | 10 | LRA7- | | | |
| LRY | 9455 | 31.72 | 40 | FM | 46300 | 6.3 | 1 |
| LRY | 9640 | 31.12 | 10 | | | | |

**SERVICIO RADIOFONICO INTERNACIONAL (S.R.I.), BUENOS AIRES**
**Leading Personalities:** Director, Mr. Abel Orlando Figun. Director of Programs, Mr. José Oscar Landi.
**Address:** Calle Belgrano 1841, Buenos Aires.
**Stations:** LRS 11880 kc/s – LRU 15290 kc/s – LRY 9455

**Daily Programs. (News, Talks, Music.)** –
*Spanish:* 18.30–19.45 on 15290 kc/s. – 21.00–22.00 on 9455 kc/s. – 02.00–06.00 on 15290 kc/s.
*English:* 17.15–18.30 on 15290 kc/s. – 19.05–20.00 on 11880 kc/s. – 22.05–22.50 on 9455 kc/s. – 02.15–06.00 on 9455 kc/s.
*French:* 21.05–23.00 on 11880 kc/s.
*German:* 17.05–18.00, 23.00–23.30 on 11880 kc/s.
*Portuguese:* 14.00 (Sun. 13.00)–17.00, 23.30–03.30 on 11880 kc/s.
*Italian:* 18.00–19.00 on 11880 kc/s. 19.45–20.45 on 15290
*Swedish: (Weekdays only):* 20.00–21.00 on 11880 kc/s.
Programs consist of the news, music, Argentine folklore.
**Announcement:** "This is SRI, the International Broadcasting Service of Buenos Aires Argentina".
**Interval Signal:** A 5 notes chime.
**Verification** by QSL cards. The Programs are changed every month, but we are happy to send our programs to everybody interested.

**LRX – LRX1 – LRU – RADIO EL MUNDO**
**Address:** 555 Calle Maipu, Buenos Aires.
**Leading Personality:** Director of Programs, Mr. Raul J. A. Nicoline. Manager, Mr. Dante A. Aloé.
**Daily Programs:** *On LRX* from 10.30–04.00 (Sat. 05.00) *on LRX* 1 from 14.00–17.00, 21.00–03.00.
**Verification** by QSL cards.

**LRY/LRY1/LR3 – RADIO BELGRANO**
**Address:** Ayacucho y Posedas. Buenos Aires.
**Leading Personality:** General Manager, Mr. E. Cossio.
**Daily Programs:** 10.00–03.00.
**Announcement:** "LR3, Radio Belgrano y sus estaciones de onda corta LRY".
**Verification** by QSL cards.

**LR4, LRS, LRS1, LRS2 – RADIO SPLENDID**
**Address:** Av. Belgrano 1841, Buenos Aires.
**Leading Personality:** President, Engineer Antomo C. Devoto. – **Daily Programs:** 11.00–01.00.
**Announcement:** LR4 Radio Splendid de Buenos Aires, con LRS y LRS1 y LRS2 ondas cortas y la Red Argentina de Emisoras Splendid. – **Verification** by QSL letter.

**LRM – RADIO ACONCAGUA**
**Address:** Radio Aconcagua, Avenida Civit 460, Mendoza.
**Daily Programs** from 10.00–04.00.

**LRT – RADIO INDEPENDENCIA, TUCUMAN**
**Daily Programs:** 10.00–17.00, 21.00–02.00.

## BRAZIL

**Population:** 50.000.000. **Listeners: approx** 2.500.000.
**Language for all stations: Portuguese. All stations commercical (exc. R. National).**

**STATIONS.**
**Short Waves.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| ZYM8 | 4785 | 62.70 | 0.5 | ZYB7 | 6095 | 49.22 | 25 |
| ZYE7 | 4825 | 62.18 | 0.5 | ZYN6 | 6105 | 49.14 | 5 |
| ZYU8 | 4845 | 61.92 | 0.5 | PRL9 | 6155 | 48.75 | 50 |
| PRC5 | 4865 | 61.66 | 2 | PRN9 | 9290 | 32.28 | 5 |
| PRF6 | 4895 | 61.28 | 2.5 | PRL7 | 9500 | 31.58 | 50 |
| ZYS8 | 4955 | 60.54 | 5 | ZYK3 | 9565 | 31.36 | 64 |
| PRJ9 | 4986 | 60.19 | 2.5 | PRB9 | 9605 | 31.24 | 5 |
| PRK5 | 6000 | 50.00 | 5 | ZYC8 | 9610 | 31.22 | 25 |
| PRA8 | 6015 | 49.88 | 25 | PRL7 | 9720 | 30.86 | 50 |
| PRB9 | 6055 | 49.55 | 5 | PRL4 | 9770 | 30.70 | 1 |
| ZYK2 | 6085 | 49.30 | 64 | PRL8 | 11720 | 25.60 | 50 |
| ZYB8 | 11765 | 25.50 | 65 | ZYN7 | 15165 | 19.77 | 5 |
| ZYK3 | 11825 | 25.37 | 4 | PRK9 | 15190 | 19.75 | 5 |
| PRL5 | 11950 | 25.10 | 61 | ZYC9 | 15370 | 19.52 | 25 |
| ZYK2 | 15145 | 19.82 | 24 | PRL9 | 17850 | 16.81 | 50 |
| ZYB9 | 15155 | 19.80 | 25 | | | | |

**PRE8/PRL7/PRL8/PRL9 – RADIO NACIONAL**
**Address:** Empresa Radio Nacional, Praça Maua No. 7. Ed. da "A Noite", Rio de Janeiro.
**Leading Personalities:** General Manager, Mr. Armando C. Costa. Administrator, Mr. Mario M. Neiva. Director of Programs, Mr. Victor Costa.
**DAILY PROGRAMS**
**In Portuguese:**
**PRE8:** Daily 09.30–03.35. – **PRL7:** Daily 16.30 (Sat. Sun. 10.00)–02.30, 03.00–03.35. – **PRL8:** 10.00–16.30, 02.30–03.00 (exc. Sat. Sun.). – **PRL9:**(6155 kc/s) 09.30–16.28. (in parallel with PRL7). – **PRL9** (17850 kc/s) occasionally. – On Sat. and Sun. Radio Nacional only transmits on **PRL7** (9720 kc).
*News:* 10.00, 11.00, 13.00, 15.55, 20.00, 23.25, 01.55, 02.30 (Relays UNO News), 03.30.
**In Spanish** on 9720 kc/s. Daily exc. Sat. Sun. 20.00: "Llamando America", and 20.15 "Alo America". Daily including Sat. Sun. Music, Radio Theatre, News, etc. in parallel with medium wave schedules.
**In English** on 11720 kc/s 02.30–03.00 "Hello America".
**Announcements:** "Ouvem as emissoras de ondas curtas e médias da Radio Nacional do Rio de Janeiro PRE8 em 980 kc/s, 301 metros ponto 8, e PRL7 em 30 metros ponto 86. Transmissores de 50 kW".
**Interval Signal:** First movement of the Brazilian melody: "Luar do Sertao" played by vibraphone.
**Verification** by QSL cards and letters.

**PRC5 – RADIO CLUBE DO PARA. Address:** Avenida 15 de Agosto, Edificio Bern, Belém, Pará, Brazil.
**Leading Personality:** President Mr. Edegar Proenca.
**Daily Programs** in *Portuguese:* 4865 *kc/s:* 23.00–01.30.
**Announcement:** "PRC5 – Radio Clube do Pará".
**Interval Signal:** "Poema" by Fugick. **Verification** QSL card.

PRLz/ZYK2/ZXK3 - **RADIO JORNAL DO COMMERCIO – Address** "Rad:io Jornal do Commercio" ,Rua do Imperator 346, Recife, Pernambuco, Brazil. *Cable:* "Radiocommercio" – Recife.
**Leading Personalities:** Director General Dr. F. Ressoa de Quieroz. Director of Programs Dr. Theophilo de Barros Filho. Director Dr. Caio de Souza Leao. Sales Manager Mr. Luiz Felipe Veira. Announcer in English Miss Janet Slater Swaton.
**DAILY PROGRAMS:** 09.55–02.00.
*In Portuguese:*

| | | | |
|---|---|---|---|
| 780 kc/s. | 09.55–02.00 | 9565 kc/s | 19.00–02.00 |
| 6085 – | 21.00–02.00 | 11825 – | Irregularly |
| 9565 – | 09.55–17.00 | 15145 – | 09.55–19.00 |

**In English:** *9565 kc/s:* Weekdays: 01.05–01.30. Sun. 21.25–22.00.
"*Brazil Calling*". A program of friendship and greetings to friends overseas, presenting the latest in Brazilian popular music. On Sundays especially dedicated to listeners in Europe and Africa.
**Announcement:** *Portuguese:* "Pernambuco falando para o Mundo". – *English:* "Pernambuco speaking to the World".
**Interval Signal:** Gong sounding three times on three notes with interval of three seconds between each note. –

**Verification** by QSL-card and letter.

**PRB7/ZYC8 – RADIO TAMOIO. – PRG3/ZYC9 – RADIO TUPI**

**Address:** Radio Tamoi and Radio Tupi: Avenida Venezuela 43, Rio de Janeiro and Rua 7de Abril, 230, Sao Paulo. – Radio Baré, Manaos.

**Leading Personalities:** *Radio Tamoi:* Director General, Dr. Carlos Rizzini. Director of Programs, Mr. Paulo Roberto de Grammont. *Radio Tupi:* Director General, Dr. Carlo Rizzini. Director of Programs, Mr. J. Mauro.

**Daily Programs** in ZYC8 from 10.00–02.00 – ZYC9 from 10.00–02.30

**Announcement:** *Radio Tamoio:* "Estao ouvindo à Rádio Tamoio do Rio de Janeiro a emissora da familia Brasiliera ZYC8 ondas curtas de 31.22 mts. freq. de 9610 kcls e PRB7 900 kc/s."

*Radio Tupi:* "PRG3 Radio Tupi do Rio de Janeiro, "o cacique do air"." – **Verification** by QSL-cards.

**ZYB7 – RADIO DIFUSORA SAO PAULO**

**PRG2/ZYB8/ZYB9 – RADIO TUPI DE SAO PAULO**

**Address:** Emisoras Asociados, 7 rua de Abril, Sao Paulo.

**Daily Programs:** ZYB9 14.00–02.50. – ZYB8 and ZYB7 10.00–11.00, 14.00–02.50. – **Verification** by QSL cards.

**ZYN6/ZYN7 – CEARA RADIO CLUBE S. A.**

**Address:** Programa Internacional, Caixa Postal 222, Fortaleza, Ceara.

**Leading Personality:** Director General Mr. P. Cabral.

**Daily Programs:** *O6n 105 kc/s* in *Portuguese* daily 14.00–17.00, 21.00–03.00.

**On 15165 kc/s International Program** 19.00–22.00. exc. Sat. Sun. – Announcements in Portuguese, English, French, Spanish and Swedish. These Programs consist of half hour of Brazilian popular music, and varied music during the last half hour. Ten minutes are dedicated to mail received from listeners.

**Announcement:** "ZYN6 e ZYN7, Estacoes de Ondas Curtas da Ceará Radio-Clube".

**ZYM8 – RADIO RIBAMAR, S.A., ESTADO DO PIAUI, SAO LUIZ – Daily Programs:** 20.00–02.00.

**ZYE7 – RADIO ECUCADORA DE PARNAIBA**

**Address:** Avenida Jaime Rosa 1190, Parnaiba (Piaui).

**Daily Programs:** 20.30–03.00. – **Verification** by QSL cards.

**ZYU8 – RADIO DIFUSORA DE TERESINA, LTDA.**

**Address:** Rua Areolino de Abreu 1157, Teresina, Piaui.

**Leading Personality:** General Manager, Mr. Alcenor Neves Madeira.

**Daily Programs:** 14.00–16.00, 19.30–01.30.

**Interval Signal:** Gong. – **Verification** by QSL cards.

**PRI3/PRK5/PRK9 – RADIO INCONFIDENCIA**

**Address:** Governo de Estado de Minas Gerais, Belo Horizonte.

**Daily Programs:** 10.00–03.00.

**Announcement:** "PRI3, PRK5 and PRK9 Radio Inconfidencia de Minas Gerais, Belo Horizonte, Brazil".

**PRF6 – RADIO BARÉ LTDA. ESTADO DO PARA, MANAOS AMAZONAS – Daily Programs:** 23.30–02.30.

**ZYS8 – RADIO DIFUSORA AMAZONAS**

**Address:** Rua Joaquim,Sarmento 100, Manaos, Amazonas.

**Daily Programs:** 20.00–02.30. – **Verification** by QSL cards.

**PRA8 – RADIO CLUBE DE PERNAMBUCO, RECIFE**

**Address:** Avenida Cruz Cabuga 394, Recife.

**Daily Programs:** 13.00–17.00, 19.00–03.00.

**Interval Signal:** 3 strokes on electric gong.

**Verification** by QSL card.

**PRN9 – DEPARTAMENTO FEDERAL DE SEGURANPUBLICA Address:** Chefatura de Policia, Rua da Relacao S/N, Rio de Janeiro.

**Daily Programs:** 23.00–03.00. – **Verification** by QSL cards.

**PRA2/PRL4/PRL5 – RADIO MINISTERIO DE EDUÇACAO**

**Address:** Servicio de Radiodifusao Educativa, Placa da Republica 141 A, Rio de Janeiro.

**Daily Programs:** 17.00–02.00.

**Announcement:** PRA2 – PRL (4 and 5) – Radio Ministerio de Educacao. – **Verification** by QSL cards.

**PRJ9 – RADIO TIMBIRA, SAO LUIZ**

**PRB9 -- RADIO RECORD**

**Address:** Rua Quintino, Bocaiuva 22, Sao Paulo.

## BOLIVIA

**Population:** 3.850.000. **Listeners:** 170.000.

**Language for all stations Spanish.**

**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| CP13 | 5970 | 50.26 | 1 | CP9 | 6185 | 48.50 | 0.45 |
| CP18 | 6070 | 49.42 | 0.25 | CP37 | 6190 | 48.47 | 0.25 |
| CP15 | 6120 | 49.02 | 1 | CP24 | 9500 | 31.58 | 0.5 |
| CP30 | 6135 | 48.90 | 0.5 | CP38 | 9505 | 31.56 | 1 |
| CP12 | 6150 | 48.78 | 0.25 | CP21 | 9570 | 31.35 | 0.35 |

**CP13 – RADIO CONSTITUCION.**

**Address:** Palacio de Gobierno, La Paz.

**CP44 – RADIO POPULAR.**

**Address:** Esteban Arce 158, Cochabamba.

**Daily Programs:** 12.00–13.00, 16.00–18.00, 23.00–03.00.

**CP18 – RADIO EL CONDOR.**

**Address:** La Plata 1139, Orura.

**CP15 – RADIO EL CONDOR.**

**Address:** Casilla 846, La Paz. – **Verification** by letter.

**Daily Programs:** 11.00–14.00, 16.00–18.00, 22.00–03.00.

**CP30 – RADIO ELECTRICA.**

**Address:** Correo Central, Santa Cruz.

**Daily Programs:** 16.15–17.30 (Sun. 14.15–15.30), 21.30–02.00.

**CP12 – RADIO FIDES, LA PAZ.**

**Daily Programs:** 16.00–17.30, 22.00–02.15.

**CP9 – RADIO AMAUTA. Address:** Comercio 386, La Paz

**Daily Programs:** 11.15–13.00, 23.00–03.00.

**CP37 – RADIO ORURO. Address:** Casilla 114, Oruro.

**CP24 – RADIO ABAROA. Address:** Potosi 73, La Paz.

**Daily Programs:** 11.30–13.00, 15.00–17.00, 21.30–03.00.

**CP38 – RADIO CRUZ DEL SUR.**

**Address:** Tte. Oquendo 60., La Paz.

**Daily Programs:** 14.30 (Sun. 12.00)–17.00, 23.00–02.00.

**Verification** by QSL cards.

**CP21 – RADIO LA PLATA, SUCRE.**

**Daily Programs:** 13.00–14.00, 20.30–22.00, 00.30–02.00.

## CHILE

**Population:** 5.023.940. **Licenced Listeners:** 500.000.

**Language for all stations: Spanish.**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| CB 57 | 570 | 526 | 15 | | | | |
| CB 76 | 760 | 349.7 | 50 | | | | |
| CB 106 | 106 | 283 | 10 | CE 622 | 6220 | 48.23 | 5 |
| CB 114 | 1140 | 263.2 | 50 | CE 960 | 9600 | 31.25 | 1 |
| CE 601 | 6010 | 49.92 | 1 | CE 970 | 9700 | 30.93 | 1 |
| CE 615 | 6150 | 48.78 | 5 | CE 1174 | 11740 | 25.55 | 5 |

CE 1190 11900 25.21 1 CE 1180 12000 25.00 1
**RADIO COOPERATIVA VITALICIA.**
CE 601 – **Address:** Radio Norte de Antofagasta, Cía Chilena de Comunicaciones S.A., Antofagasta.
CE 615 – CE 1190 – **Address:** Radio Cooperativa Vitalicia, Cía Chilena de Comunicaciones S. A., Condell 1184, Valparaíso.
CB 76 – CE 970 – **Address:** R. Cooperativa Vitalicia, Cia Chilena de Comunicaciones S. A., Santiago.
**Leading Personalities:** Director General: Mr. Luis Falcone Baltra.
**Daily Programs:** All stations 11.30–04.00. *News:* 11.30, 17.00, 01.00 and 04.00
**Interval-Signal:** Gong. **Verification** by QSL-letter.
CE 622 – **SOCIEDAD CHILENA RADIODIFUSORA S. A. Address:** Moneda 973, Of. 335, Santiago de Chile.
**Daily Programs:** 11.30–04.00. *News* every hour.
**Interval-Signal:** Gong. **Verification** by QSL-card.
CE960 – **RADIO LA AMERICANA SANTIAGO DE CHILE. Address:** Nueva York 53, Piso 70 Santiago.
**Daily Programs:** 11.00–05.00. *News* at 11.00.
**Interval-Signal:** Gong (notes from the melody "Los Copihues Rojos"). **Verification** by QSL-card.
CE 1174 – **SOCIEDAD RADIOEMISORA NUEVO MUNDO LTDA. Address:** Alameda Bdo. O'Higgins 924, Santiago.
**Daily Programs:** 11.25–0.500.
CE 1180 – **SOCIEDAD NACIONAL DE AGRICULTURA. Address:** Augustinas 718, Casilla 40 D., Santiago.
**Daily Programs:** 11.00–04.00
**Interval-Signal:** Gong. **Verification** by QSL-card.
CB 114 – **CORP. CHILENADE BROADC. y TELEVISION S.A. Address:** Huerfunos 1248, Santiago.

## COLOMBIA

**Population:** 10.777.000. **Listeners:** approx, 450.000.
**Language for all stations Spanish.**
**All stations commercial exc. Radio Nacional.**
**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| HJGB | 4780 | 62.76 | 2.5 | HJCX | 6018 | 49.85 | 5 |
| HJAB | 4785 | 62.70 | 1 | HJEX | 6054 | 49.56 | 2.5 |
| HJBB | 4815 | 62.31 | 0.75 | HJFE | 6055 | 49.55 | 5 |
| HJED | 4825 | 62.18 | 1 | HJFK | 6103 | 49.16 | 2.5 |
| HJKE | 4835 | 62.05 | 2.5 | HJFB | 6105 | 49.14 | 4.5 |
| HJGF | 4847 | 61.89 | 2.5 | HJDE | 6145 | 48.82 | 5 |
| HJCA | 4855 | 61.79 | 1 | HJKJ | 6160 | 48.70 | 5 |
| HJFA | 4866 | 61.64 | 1 | HJWB | 6165 | 48.66 | 1 |
| HJFH | 4874 | 61.55 | 1 | HJCT | 6200 | 48.39 | 10 |
| HJDP | 4885 | 61.41 | 1 | HJFB | 6225 | 48.19 | 4.5 |
| HJCH | 4895 | 61.29 | 3 | HJWO | 6270 | 47.84 | 5 |
| HJAG | 4903 | 61.20 | 1 | HJKF | 9520 | 31.51 | 5 |
| HJAP | 4931 | 60.85 | 1 | HJCB | 9630 | 31.15 | 5 |
| HJCW | 4945 | 60.66 | 1 | HJAI | 9668 | 31.03 | 5 |
| HJCQ | 4955 | 60.55 | 1 | HJAP | 9890 | 30.33 | 0.75 |
| HJAE | 4965 | 60.42 | 1 | HJCQ | 11680 | 25.68 | 3 |
| HJCF | 5960 | 50.34 | 0.75 | HJCT | 11850 | 25.32 | 2.5 |
| HJKD | 6000 | 50.00 | 5 | HJCT | 17730 | 16.92 | 3 |

**HJGB – RADIO SANTANDER, BUCARAMANGA**
**Address:** Apartado 37, Bucaramanga.
**Daily Programs:** 12.00–14.00, 15.00–17.00, 22.00–03.00.
**Verification** by QSL cards.
**HJAN-HJAB-HJAB-FM - EMISORAS UNIDAS, LTDA.**
**Address:** P. O. Box 154 (for listeners, letters) and P. O. Box 324, Barranquilla. *Cable:* "Emisunidas", Barranquilla.
**Leading Personality:** Director Mr. Rafael Roncallo V.
**Daily Programs** in *Spanish:* 11.00–04.00.
**HJBB – LA VOZ DE CUCUTA, CUCUTA.**
**Daily Programs:** 22.00–03.00.
**HJED – LA VOZ DEL VALLE, CALI.**
**Address:** Calle 11 No. 4–52 Cali. **Daily Programs:** 00.00–03.00.
**HJAE – EMISORA FUENTES. Address:** P.O. Box 31, Cartagena.
**Daily Programs:** 21.00–03.00 (Sun. 05.30).
**HJCF – LA VOZ DE BOGOTA.**
**Address:** Apartado 312, Bogota.
**Daily Programs:** 11.50–02.00. – **Verification** by QSL letter.
**HJKD/HJKF – EMISORA NUEVO MUNDO, BOGOTA. – Daily Programs:** HJKD: 13.00–04.00. HJKF: 15.00–04.00.
**HJCX – LA VOZ DE COLOMBIA.**
**Address:** Apartados Postal No. 2665, Bogota.
**Daily Programs:** 12.00–13.00, 19.00–04.15.
**HJEX – RADIO PACIFICO, CALI.**
**Address:** Apartado Nacional 559, Cali.
**Daily Programs:** 11.30–03.30. **Verification** by QSL-cards.
**HJFK – LA VOZ AMIGA, PEREIRA.**
**Daily Programs:** 18.00–02.00. **Verification** by QSL letter.
**HJFB – RADIO MANIZALES, MANIZALES.**
**Address:** Apartado 175.
**Daily Programs:** 22.00–03.30. **Verification** by letter.
**HJDE – LA VOZ DE ANTIOQUIA.**
**Address:** Cia Colombiana de Radiodifusora, Maracaibo 46–80, Medellin.
**Daily Programs:** *Weekdays* 16.00–03.30 (Sun. 02.45).
**Verification** by QSL cards.
**HJKJ – CADENA NACIONAL, BOGOTA.**
**Daily Programs:** 12.00–04.00.
**HJWB/HJWO – EMISORAS COLOMBIA.**
**Daily Programs:** 12.00–04.00.
**HJAI – RADIO MIRAMAR, CARTAGENA.**
**HJKE – RADIO CONTINENTAL, BOGOTA.**
**Daily Programs:** 00.00–02.30.
**HJGF – RADIO BUCARAMANGA, BUCARAMANGA.**
**Daily Programs:** 16.30–19.00, 21.30–04.00.
**HJCA/HJCB – RADIO CHRISTAL, BOGOTA.**
**Address:** Apartada postal 1636, Bogota.
**Daily Programmes** from 23.00–03.35.
**Verification** by QSL-card.
**HJFE/HJFA – LA VOZ DE PEREIRA, PEREIRA.**
**Daily Programs:** 23.00–03.30.
**HJFH – LA VOZ DE ARMENIA, ARMENIA.**
**Daily Programs** from 10.45–03.00.
**HJDP – EMISORA. CLARIDAD, MEDELLIN.**
**Daily Programs:** 21.00–03.30.
**HJCH – LA VOZ DE LA VICTOR, BOGOTA.**
**Address:** Apartado 565, Bogota.
**Daily Programs:** 23.00–04.30.
**HJAG – EMISORA ATLANTICO, BARRANQUILLA.**
**Daily Programs:** 14.00–05.00.
**HJAP – RADIO COLONIAL, CARTAGENA.**
**Address:** Calle del Porvenir, Cartagena.
**Daily Programs:** 12.30–19.00, 22.00–03.30.

**HJCW – RADIO SUR AMERICA, BOGOTA.**
**Address:** Correo 8 a No. 11–57, Bogota.
**Daily Programmes** from 11.45–16.15, 21.00–04.15

**HJCT/HJCQ – RADIODIFUSORA NACIONAL, BOGOTA. Address:** Ministerio de Education. Bogota.

**Daily Programs:** *Weekdays:* 15.00–19.00 and 22.00–04.15. Sun.: 15.30–20.15, 23.15–04.15. **Verification** by QSL cards.

## ECUADOR

**Population:** 3.241.311 **Listeners: approx** 20.000.
**Language for all stations: Spanish.**

**Cultural Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| | | | | HCJB | 5995 | 50.04 | 1 |
| HC1IM | 4738 | 63.50 | 0.25 | HCJB | 9958 | 30.12 | 1.5 |
| HCRC1 | 4930 | 60.90 | 0.5 | HCJB | 12455 | 24.10 | 10 |
| HC5BL | 5025 | 59.70 | 0.75 | HCJB | 15155 | 19.85 | 1 |
| HCK | 5352 | 56.05 | 0.30 | HCJB | 17890 | 16.77 | 10 |

**Commercial Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| HC5AO | 4200 | 71.50 | 0.25 | HC6GV | 5990 | 50.08 | 1 |
| HC4AS | 4202 | 71.39 | 0.25 | HC1IR | 6025 | 49.79 | 0.50 |
| HC4FF | 4560 | 65.79 | 0.15 | HC2FQ | 6065 | 49.46 | 1 |
| HC2AK | 4651 | 64.50 | 1 | HC1BF | 6071 | 49.42 | 0.30 |
| HC2BK | 4710 | 63.69 | 0.5 | HC2FB | 6130 | 48.94 | 0.25 |
| HC2CT | 4712 | 63.66 | 0.40 | HC1FM | 6180 | 48.54 | 1 |
| HC5BU | 4715 | 63.63 | 0.35 | HC1AC | 6210 | 48.31 | 0.50 |
| HC6VT | 4721 | 63.55 | 0.20 | HC2VP | 6570 | 45.66 | 0.20 |
| HC5BE | 4725 | 63.49 | 0.30 | HC2CA | 6853 | 43.60 | 0.20 |
| HC1IM | 4738 | 63.52 | 0.25 | HC4EB | 6870 | 43.67 | 1 |
| HC1BF | 4750 | 63.16 | 0.20 | HC4FA | 7244 | 41.42 | 0.20 |
| HC4FA | 4766 | 62.94 | 0.20 | HC2AM | 7350 | 40.81 | 0.3 |
| HC2AM | 4770 | 62.87 | 0.50 | HC5AB | 7472 | 40.15 | 0.25 |
| HC1GP | 4790 | 62.63 | 0.20 | HC1GP | 7700 | 38.96 | 0.25 |
| HC1BT | 4870 | 61.60 | 0.60 | HC2CT | 9200 | 32.61 | 0.25 |
| HC2AJ | 4900 | 61.22 | 1.0 | HC1BS | 9355 | 32.05 | 0.25 |
| HC5HP | 4960 | 60.48 | 1 | HC1FL | 11765 | 25.50 | 0.5 |
| HCQRX | 4986 | 60.38 | 0.25 | HC2FW | 12805 | 23.43 | 0.50 |
| HC1PM | 5726 | 52.40 | 0.25 | HC2FX | 15650 | 19.14 | 10 |

**HCJB – "LA VOZ DE LOS ANDES"**
International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated.

**Address:** Radio Station HCJB, Casilla 691, Quito. *Cable:* "Vozandes".

**Leading Personalities:** Directors Mr. Reuben E. Larson. Mr. Clarence W. Jones. Mr. D. Stuart Clark.
**Stations:** HCJB "La Voz de los Andes".
**Daily Programs:** *Daily* exc. Mo. 11.00–13.45, 17.00–0.306 in 11 different languages. Mo. is silent day except the first Mo. of each month, at which time the "Off the Record" greetings programs are featured from 23.00–03.30.
*In English:*
11.30–12.30 in 30-24 m. b. – 19.30–20.30 in 19-16 m. b. 22.00–23.00 in 16, 30-24 m. b.
02.00–05.30 in 19, 30-24 m. b. – (after 4.00 also in 49 m b).
In other languages are broadcast on one of the following frequencies: 5995, 9978 12455,17890 ks/c.
*In Spanish:* 11.00–13.45, 17.30-19.30, 22.30-04.00
In *German:* Tues., Thurs., Sat., Sun. 21.30.
In *French:* 21.00–21.30. – In *Portuguese:* Tues., Thurs., Sat. 23.00. – In *Swedish:* 17.00. – In *Jiddish:* Wed., Fri. 21.30.

**Announcement:** (in English): "This is the Voice of the Andes, International Missionary Station HCJB, Quito, Ecuador, South America".
**Interval Signal:** Time Signal each half hour consisting of three short tones followed by a long tone (V = . . .– for Victory). – **Verification** by letter and QSL-card.

**HCRC1 – RADIO CASA DE LA CULTURA ECUATORIANA, QUITO**
**Daily Programs** in *Spanish:* 17.20–18.45, 00.45–02.45.

**HC5BL – RADIO ALBORADA**
**Address:** Estacion Cultural, Casilla 1355, Cuenca.
**Daily Programs:** 23.30–00.30.

**HCK – RADIO NACIONAL, QUITO**

**HC5AO – LA VOZ DEL TOMEBAMBA, CUENCA**
**Address:** Apartado 23, Cuenca.
**Daily Programs:** 16.30–19.00, 23.00–03.30.

**HC4AS – LA VOZ DE CARAQUEZ, BAHIA**

**HC4FF – LA VOZ DE LAS ESMERALDAS**
**Daily Programs:** 01.00–04.00.

**HC2AJ RADIO ECUADOR, GUAYAQUIL**

**HC2AK – RADIODIFUSORA DEL ECUADOR**
**Address:** Compañia Radiodifusora del Ecuador, Guyaquil
**Daily Programs:** 12.00–13.15, 17.00–19.00, 23.00–04.00.

**HC5BU – RADIO UNIVERSAL, CUENCA**

**HC2CT – RADIO EL TELEGRAFO, GUAYAQUIL**
**Daily Programs:** 12.00–14.00, 16.45–18.00, 20.43–23.00, 23.45–03.30.

**HC2BK – RADIO EL MUNDO, GUAYAQUIL**

**HC6VT – LA VOZ DE TUNGURAHUA, AMBATO**
**Daily Programs:** 23.00–04.00.

**HC5BE – RADIO ALBORADA, PUNTA**
**Daily Programs:** 16.30–18.30, 23.30–04.00.

**HC4FA – LA VOZ DE MANABI**
**Address:** Avenida 18 de Octobre 113, Portoviejo, Manabi.
**Daily Programs:** 01.00–03.30.

**HCBT/HC1BS – RADIO BOLIVAR. - Address:** La Voz de la Libertad, Apartado 2049, Quito.
**Leading Personalities:** Director General Mr .Carlos Mantilla O. Director Mr. Arturo Garcia M.
**Daily Programs** in *Spanish:*
12.00–14.30, 17.00–19.00, 23.00–03.00. *News:* 12.00, 24.00. "*Nuestra Tierra*" (Our Country): 12.30.

**HC5HP – ONDAS ECUATORIANAS, RIOBAMBA**
**Daily Programs:** 02.00–04.00.

**HCQRX – RADIO QUITO, LA VOZ DE LA CAPITAL**
**Address:** Empresa Editora El Comercio, Quito.
**Daily Programs:** 11.45–19.00, 23.00–03.45.

**HC1PM – RADIO EL PALOMAR, QUITO**
**Daily Programs:** 23.00–04.00.

**HC6GV – RADIO LUZ.**
**Address:** Antena del Folklore Ecuatoriano, Apartado Postal 240, Calle Quito 418, Ambato.

**HC1IR – RADIO COMERCIAL, IBARRA**
**Daily Programs:** 01.00–03.30.

**HC1BF – RADIO COMERCIAL, QUITO**
**Daily Programs:** 01.30–02.35.

**HC2FB – RADIO NACIONAL, DE EL CONDOR**
**Address:** Casilla 3345, Guayaquil.
**Daily Programs:** 00.00–05.00.

**HC1FM – RADIO EQUINOCCIAL, IBARRA**
**Daily Programs:** 22.00–03.30.

**HC1AC – LA VOZ DE LA DEMOCRACIA**
**Address:** Calle Caldas 501, Apartado 388, Oriente, Quito
**Daily Programs:** 17.00–21.00, 23.00–04.00.
**HC2VP – RADIO ATALAYA, GUAYAQUIL**
**Daily Programs:** 00.00–04.00.
**HC2CA – EMISORA COSTA SUL, SALINAS**
**HC4EB – RADIO MANTA, Address:** Apartado 69, Manta.
**Daily Programs** in *Spanish:* 16.30–18.00, 23.30–04.00.
**HC2AM – RADIODIFUSORA CENIT**
**Address:** Boulev. 9de Octobre 608, Guayaquil.
**Daily Programs** in *Spanish: Weekdays:* 13.00–15.00, 17.00–20.00, 22.00–04.30.. *Sun.:* 16.00-21.00, 00.00–02.00.
**HC5AB – LA VOZ DE LA RIOBAMBA, RIOBAMBA**
**HC1GP – RADIO ECUADOR AMAZONICO**
**Address:** Calle Rocafuerte 1329, Quito.
**Daily Programs:** 11.00–13.00, 17.00–19.00, 22.00–03.00.
**HC2FW/HC2FQ/HC2FX – LA VOZ DEL TROPICO ECUATORIANO, RADIO CONTINENTAL**
**Address:** Casilla 4020, Guayaquil.
**Daily Programs:** *Weekdays* from 16.45–20.00, 22.30–04.00. *Sun.* from 16.00–18.00, 01.00–02.30.
**Verification** by QSL card or letter.
**HC1FL – RADIO ATLANTIDA, QUITO**

## GUINA (British)

**Address:** British Guiana United Broadcasting Co., Ltd., 30–32 New North Road, Bourda, Georgetown.
**Leading Personality:** Manager, Mr. O. S. Wight.
**Station:** "The Voice of Guiana".
ZFY 6000 kc/s 50.00 m 3 kW.
**Daily Programs** in *English:*
*Weekdays:* 10.45–12.45, 14.45–16.45, 19.45–02.45.
**Announcement:** "This is ZFY, the voice of Guiana.

## SURINAM (DUTCH GUIANA)

**Population:** 189.000. **Licensed Listeners:** 2.000.
**Address:** Algemeene Vereenigung voor Radio Omroep en Surinam (AVROS), Paramaribo.
**Stations:** Avros, Paramaribo.
PZH5 5750 kc/s 52.18 m 0.35 kW
PZC 15400 – 19.48 – 5 –
**Daily Programs in Dutch:**
PZH5 *Weekdays* 13.00–14.30 (Sun. 15.30), 20.30 (Sun. 23.30)–01.30. PZC Daily from 21.45–01.30.
**Verification** by QSL cards.

## PARAGUAY

**Population:** 1.150.000. **Licensed Listeners:** 80.000.
**Language for all stations: Spanish.**
**All stations commercial exc. ZPA1.**

| Stations: | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| ZPA1 | 6275 | 47.81 | 2 | ZPA4 | 9735 | 30.82 | 1 |
| ZPA3 | 11850 | 25.32 | 1.2 | ZPA5 | 11945 | 25.12 | 2.5 |

**ZPA1 – RADIO NACIONAL**
**Address:** Coronel Martinez 224, Asuncion.
**Daily Programs:** 15.00–17.00, 22.30–02.30 (Summer 23.00–03.00). – **Verification** by QSL card or letter.
**ZPA3 – RADIO TELECO. Address:** Calle Azara 56, Asuncion.
**Daily Programs:** 11.35–18.05, 22.00–02.05.
**Verification** by QSL card.
**ZPA4 – RADIO STENTOR**
**Address:** Indenpendencia Nacional 703, Asuncion. –
**Daily Programs:** 22.30–03.00.
**ZPA5 – RADIO ENCARNACION**
**Address:** Compania Paraguaya de Radiodifusion, Encarnacion. – **Daily Programs:** ZPA5 *Spanish* 11.00–02.05.
**Verification** by QSL card.

## PERU

**Population:** 8.132.649. **Listeners: approx** 1.000.000.
**Language for all stations: Spanish. All stations commercial exc. Radio Nacional.**

| Stations: | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| OAX–4N | 4767 | 62.95 | 0.3 | OAX–4V | 6170 | 48.62 | 0.45 |
| OAX–1B | 5706 | 52.57 | 0.3 | OAX–5E | 6170 | 48.62 | 0.30 |
| OAX–4Z | 5895 | 50.90 | 15 | OAX–6G | 6170 | 48.62 | 0.20 |
| OAX–4V | 5907 | 50.78 | 0.5 | OAX–1B | 6197 | 48.41 | 0.40 |
| OAX–4V | 5925 | 50.65 | 7.5 | OAX–4H | 6307 | 47.50 | 1 |
| OAX–4S | 5965 | 50.28 | 1 | OAX–4L | 6330 | 47.39 | 1 |
| OAX–4P | 5984 | 50.14 | 0.25 | OAX–6E | 6335 | 47.37 | 1 |
| OAX–2A | 6000 | 50.00 | 0.75 | OAX–4B | 6526 | 45.97 | 0.35 |
| OAX–4Q | 6011 | 49.91 | 1 | OAX–4C | 6564 | 45.70 | 0.20 |
| OAX–6B | 6035 | 49.71 | 0.25 | OAX–1A | 6701 | 44.78 | 0.25 |
| OAX–6A | 6042 | 49.65 | 0.25 | OAX–4J | 9330 | 32.15 | 1 |
| OAX–2A | 6057 | 49.53 | 0.50 | OAX–4W | 9360 | 32.0 | 2 |
| OAX–4G | 6091 | 49.26 | 0.25 | OAX–6H | 9500 | 31.58 | 0.25 |
| OAX–4H | 6095 | 49.22 | 1 | OAX–4K | 9545 | 31.43 | 0.50 |
| OAX–7A | 6128 | 48.96 | 0.25 | OAX–5C | 9560 | 31.38 | 0.30 |
| OAX–8C | 6140 | 48.86 | 0.30 | OAX–4T | 9562 | 31.37 | 1 |

**OAX1B/OAX4N/OAX1A – RADIO PIURA, PIURA.**
**Address:** Tecna 871, Piura. **Daily Programs:** 23.00–04.30.
**OAX4ZL/OAX4 – RADIO NACIONAL DEL PERU.**
**Address:** Radio Nacional del Peru, Av. Petit Thouars 441, Lima.
**Daily Programs:** On 9562 kc/s 16.30–18.30. On 9545 00.00–07.30.
**OAX4V/OAX4W – RADIO AMERICA.**
**Address:** Ocona 476, P.O. Box 1192, Lima.
**Daily Programs:** 13.00–05.00 (Sat. 06.00).
**OAX4S – RADIO SAN CHRISTOBAL.**
**Address:** Radioemisoras Nore Oriente, S.A. Tarapacá. 897, Lima. – **Daily Programs:** 12.30–05.00.
**OAX4P – LA VOZ DEL CENTRO DEL PERU.**
**Address:** Radio Huancayo, Apartado 187, Huancayo.
**Daily Programs:** 16.00–19.00, 23.00–05.00.
**Verification** by QSL cards.
**OAX2A – RADIO EL PALOMAR, TRUJILLO.**
**Daily Programs:** 23.30–04.30.
**OAX4Q – RADIO VICTORIA.**
**Address:** Radio Victoria, Edificio Mineria No. 508, Lima.
**Daily Programs:** 12.30–05.00 (Sat. 06.00).
**OAX4L – RADIO MIRAFLORES.**
**Address:** Pardo 769, Lima. **Daily Programs:** 13.00–05.00.
**OAX6B – RADIO LANDA. Address:** Calle Sucre 409, Arequipa.
**Daily Programs:** 13.00–05.00. **Verification** by postcards.
**OAX6A – RADIO AREQUIPA.**
**Address:** Palacio Viejo 106, Arequipa.
**Daily Programs:** 23.00–04.00.
**OAX2A – RADIO TRUJILLO.**
**Address:** Radioemisoras Nor Oriente S.A., Diego de Almagro 323, Trujillo. – **Daily Programs:** 11.30–05.00.
**OAX4G – RADIO LIMA.**
**Address:** Avda Uruguay 355, Lima.
**Daily Programs:** 11.30–04.00.

**OAX4H - RADIO MUNDIAL. Address:** Apartado 1908, Lima.
**Daily Programs:** 12.30–05.00 (Sat. 06.00).
**OAX7A - RADIO CUZCO.**
**Address:** Carlos Lizarraga Fisher, Montes 43, Cusco.
**Daily Programs:** 16.00–19.00, 23.00–04.00.
**OAX5E - RADIO CHINCHA.**
**Address:** Gonzales Jordan, Canepa, Los Angeles, Chincha.
**Daily Programs:** 23.00–04.30.
**OAX6E - RADIO CONTINENTAL.**
**Address:** Rivero 103, Arequipa. - **Daily Programs:** 12.30–05.00.
**OAX4C - LA VOZ DEL PRIMER PUERTO DEL PERU, CALLAO. Daily Programs:** 16.00–04.00.
**Address:** Av. Saenz Pena 151, P. O. Box 432, Callao.
**OAX1A - RADIO DELCAR. Address:** Casilla 109, Chiclayo. **Daily Programs:** 16.00–19.00, 23.00–05.00.
**OAX4J - RADIO COLONIAL. Address:** Apartado 1166, Lima. **Daily Programs:** 16.00–17.30, 01.00–03.30.
**OAX6H - RADIO TACNA, TACNA**
**Address:** Amceto Ibarra 436, Casilla 188, Tacna.
**Daily Programs:** 23.00–04.00.
**OAX5C - RADIO LIBERTAD - RADIO UNIVERSAL**
**Address:** Loreto 524, Ica. **Daily Programs:** 16.30–19.00, 22.30–05.00.
**OAX4K - OAX6G - OAX8C - RADIO CENTRAL**
**Address:** Union 1038, Lima. **Daily Programs:** 12.30–05.00.

## URUGUAY

**Population:** 2.300.000. **Licensed Listeners:** 400.000.
**Language for all stations: Spanish. All stations commercial.**
**Association of Broadcasters:** ANDEBU, Uruguay 1218, Montevideo. *Cable:* ANDEBU.

**Stations:**

| *Medium Waves:* | kc/s | m | kW |
|---|---|---|---|
| CX6 | 650 | 462 | 25 |
| CX12 | 770 | 390 | 20 |
| CX14 | 810 | 370 | 15 |
| CX16 | 850 | 355 | 50 |
| *Short Waves:* | | | |
| CXA2 | 6000 | 50.00 | 5 |
| CXA30 | 6035 | 49.71 | 1 |
| CXA14 | 6055 | 49.55 | 5 |
| CXA3 | 6075 | 49.38 | 2.5 |
| CXA4 | 6125 | 48.98 | 10 |
| CXA13 | 6155 | 48.74 | 10 |
| CXA21 | 6170 | 48.62 | 1 |
| CXA6 | 9620 | 31.19 | 20 |
| CXA8 | 9640 | 31.12 | 3 |
| CXA7 | 11735 | 25.56 | 5 |
| CXA19 | 11835 | 25.35 | 5 |
| CXA10 | 11900 | 25.21 | 20 |
| CXA18 | 15300 | 19.60 | 20 |

**CX6/CXA4/CXA6/CXA10/CXA18 RADIO ELECTRICA**
**Address:** Servicio Official de Difusion Radio Electrica (S.O.D.R.E.) Mercedes 823, Montevideo.
**Leading Personalities:** Director General, Mr. Hector M. Laborde. - **Daily Programs** in *Spanish:*
15.00–17.00: CXA 4, CXA6 Mo. to Fri. - 14.30–17.00: CXA4, CXA6 Sun. - 17.00–17.30: CXA10 Sun. - 20.00–23.30: CXA4, CXA6 Daily. - 23.30–02.00: CXA4, CXA10 Daily. - 23.45–00.00: CXA4, CXA6, CXA10 Sun. - 23.30 –02.00: CXA6 Daily.
**Interval Signal:** At the beginning of every transmission: The first movement of "Campo".
**CX12/CXA7 - RADIO ORIENTAL**
**Address:** Radio Oriental, Olimar 1364, Montevideo.
**Leading Personalities:** Director Mr. Luis A. Artola.
**Daily Programs:** 11.00–02.00. (Sat. 03.00)
**CX14/CXA19 - RADIO EL ESPECTADOR**
**Address:** Difusoras del Uruguay S. A., 18 de Julio 1393, Montevideo.
**Daily Programs:** 18,20.00 - 02.00 - **Verification** by QSL cards.
**CXI6/CXAI3 - RADIO CARVE.**
**Address:** Sadrep Ltda., Mercedes 973, Montevideo.
**Daily Programs:** 16.00–18.00, 23.00–02.00.
**CXA2 - RADIO DE MONTEVIDEO.**
**Address:** Compania Uruguayos de Publicidad S.A., Yi 1383, Montevideo. - **Daily Programs:** 12.00–04.00.
**CXA30 - RADIO NACIONAL.**
**Address:** Av. 18 de Julio 1764, Montevideo.
**Daily Programs:** 15.00–17.00., 20.00-01.00.
**Verification** by QSL card.
**CXAI4 - SERVICIO DE INFORMACION Y PRENSA, MONTEVIDEO. - Daily Programs:** 12.00–04.00.
**CXA3 - RADIO ARIEL.**
**Address:** Radio Ariel, 18 de Julio 1460, Montevideo.
**Daily Programs:** 11.00 -02.00.
**CXA2I - RADIO FENIX**
**Address:** Radio Fenix, Rio Branco 1366, Montevideo.
**Daily Programs:** 22.00–01.00.
**CXA8 - RADIO REAL DE SAN CARLOS.**
**Address:** Real de San Carlos, Flores 30, Colonia.
**Daily Programs:** 15.00–17.00, 20.00–01.00.

## VENEZUELA

**Population:** 4.590.000. **Licensed Listeners:** 179.000.
**Language for all stations: Spanish. All stations commercial**

**Stations:**

| | kc/s | m | kW | | kc/s | m | kW |
|---|---|---|---|---|---|---|---|
| YVKB | 790 | 378.5 | 10 | YVKV | 4760 | 63.03 | 0.3 |
| YVKS | 960 | 312.6 | 10 | YVMW | 4770 | 62.89 | 0.3 |
| YVOG | 3310 | 90.63 | 0.6 | YVLA | 4780 | 62.76 | 0.2 |
| YVQL | 3330 | 90.09 | 1 | YVQC | 4790 | 62.63 | 6.0 |
| YVMU | 3340 | 89.82 | 0.2 | YVME | 4800 | 62.50 | 0.8 |
| YVOC | 3360 | 89.34 | 1 | YVMG | 4810 | 62.37 | 0.5 |
| YVMI | 3370 | 89.02 | 0.5 | YVRC | 4820 | 62.24 | 1 |
| YVQO | 3380 | 88.76 | 7.5 | YVOA | 4830 | 62.11 | 5 |
| YVKP | 3400 | 88.24 | 0.7 | YVOI | 4840 | 61.98 | 1.5 |
| YVML | 3410 | 87.97 | 1 | YVMS | 4850 | 61.86 | 0.3 |
| YVOJ | 3420 | 87.72 | 1.5 | YVPA | 4860 | 61.73 | 0.2 |
| YVLI | 3430 | 87.46 | 0.3 | YVKF | 4880 | 61.47 | 7.5 |
| YVMC | 3440 | 87.21 | 0.7 | YVKC | 4890 | 61.35 | 10 |
| YVQI | 3450 | 86.96 | 1 | YVMM | 4910 | 61.10 | 0.2 |
| YVLD | 3458 | 86.75 | 0.7 | YVKR | 4920 | 60.99 | 5 |
| YVLE | 3480 | 86.21 | 0.5 | YVQA | 4960 | 60.48 | 1 |
| YVRA | 3490 | 85.96 | 0.2 | | 4975 | 60.30 | 1 |
| YVKX | 3505 | 85.59 | 1.8 | YVMQ | 4990 | 60.12 | 4 |
| YVQG | 3515 | 85.34 | 1 | YVMO | 4990 | 60.12 | 2 |
| YVKT | 3530 | 84.99 | 1 | YVKO | 5020 | 59.76 | 2 |
| YVOC | 3550 | 84.51 | 1 | YVKM | 5040 | 59.52 | 7.5 |
| YVKD | 3570 | 84.07 | 1 | YVKD | 5060 | 59.29 | 5 |
| YVQA | 3590 | 83.51 | 1 | YVQF | 6205 | 48.35 | 1 |
| YVLG | 3620 | 82.87 | 0.2 | YVKC | 7400 | 40.54 | 1 |
| YVMA | 4752 | 63.13 | 0.2 | YVKC | 9640 | 31.12 | 10 |

**YVOG - RADIO TRUJILLO.**
**Address:** Calle Independencia 200, Trujillo.
**Daily Programs:** 22.00–02.30.
**YVQL - LA VOZ DEL TIGRE, EL TIGRE.**
**Daily Programs:** 10.00–02.30.
**YVMU - RADIO CARORA, CARORA.**
**YVOC - ECOS DEL TORBES, SAN CHRISTOBAL.**
**Daily Programs:** 11.30–02.30.
**YVMI - LA VOZ DE LA FE, MARACAIBO.**
**Daily Programs:** 22.30–03.30.

**YVQO – ONDAS PORTENAS, PUERTO LA CRUZ.**
**YVKP – RADIO TROPICAL, CARACAS.**
**Daily Programs:** 23.30–04.30.
**YVML – RADIO CABIMAS.**
**Address:** Calle Democracia, Cabimas.
**Daily Programs:** 09.30–11.30, 14.30–16.30, 20.30–01.30.
**YVOJ – RADIO UNIVERSIDAD. Address:** Apartado 74, Merida.
**Daily Programs:** 10.30–13.30, 15.30–18.30, 22.30–03.30.
**YVLI – RADIO MARACAY, MARACAY.**
**YVMC – RADIO MARACAIBO, MARACAIBO.**
**Daily Programs:** 10.30–13.30, 15.30–03.30.
**YVQI – EMISORAS UNIDAS, BARCELONA.**
**Daily Programs:** 23.00–02.30.
**YVLD – RADIO VALENCIA, VALENCIA.**
**Daily Programs:** 23.30–02.30.
**YVLE – RADIO PUERTO CABELLO, PUERTO CABELLO. – Daily Programs:** 22.00–02.30.
**YVRA – RADIO MONAGAS, MATURIN.**
**Verification** by QSL card.
**YVKX – LA VOZ DE LA PATRIA, CARACAS.**
**Daily Programs:** 14.25–19.00, 20.25–03.00.
**YVQG – LA VOZ DE ANZOATEQUI, BARCELONA.**
**Daily Programs:** 15.15–02.30.
**YVKT – RADIO LIBERTADOR, CARACAS.**
**Daily Programs:** 22.30–03.30.
**YVKD – LA EMISORA DE LOS EXITOS, CARACAS.**
**Daily Programs:** 10.27–03.30. **Verification** by QSL card.
**YVQA – RADIO SUCRE. Address:** Calle Sucre 85, Cumana. **Daily Programs:** 16.00–17.00, 21.00–03.00.
**YVLG - RADIO GIRARDET, MARACAY.**
**YVMA – ECOS DEL ZULIA, MARACAIBO.**
**Daily Programs:** 10.30–13.30, 15.30–18.30, 20.30–03.35.
**YVLA – LA VOZ DE CARABOBO, VALENCIA.**
**Daily Programs:** 11.30–12.30, 14.30–18.30, 19.30–02.30.
**YVQC – ECOS DEL ORINOCO, CIUDAD BOLIVAR.**
**Daily Programs:** 22.30–02.30.
**YVME – ONDAS DEL LAGO. Address:** Apartado 261, Maracaibo. **Daily Programs:** 11.30–04.30.
**YVMG – RADIO POPULAR. Address:** P. O. Box 247, Maracaibo.
**Daily Programs:** 11.00–13.30, 15.30–18.00, 20.00–03.30.
**YVRC – LA VOZ DE APURA, SAN FERNANDO DE APURE. Daily Programs:** 23.00–02.30.
**YVOA – LA VOZ DEL TACHIRA. Address:** Apartado 37, Carrera 52-54, San Cristobal. *Cable:* "Voztachira". **Daily Programs:** 12.00–14.00, 15.00–18.00, 21.00–03.00. – **Verification** by QSL-card.
**YVOI – RADIO VALERA. Address:** Calle Bolivar 54, Valera. **Daily Programs:** 15.45–17.30, 21.30–02.40.
**YVMS – RADIO UNIVERSO BARQUISIMETO.**
**Address:** Apartado 77, Barquisimeto.
**Daily Programs:** 15.30–18.30, 21.30–02.30.
**YVPA – RADIO YARACOY, SAN FILIPE.**
**Daily Programs:** 22.00–03.30.
**YVKF – ONDAS POPULARES.**
**Address:** Apartado de Correos 587, Caracas.
**Daily Programs:** 10.30–04.30.
**Verification** by QSL card.
**YVKB/YVKC – RADIODIFUSORA VENEZUELA, CARACAS.**
**Daily Programs:** 10.25–03.30. *News:* 10.30, 15.00, 22.30, 02.00. **Verification** by QSL card.
**YVMM-RADIO CORO, CORO**
**Daily Programs:** 21.00–03.30. **Verification** by QSL card.
**YVKR – RADIO CARACAS, CARACAS.**
**Daily Programs:** 10.30–04.30. **Verification** by QSL card.
**YVMO – RADIODIFUSORA OCCIDENTAL, BARQUISIMETO.**
**YVMQ – RADIO BARQUISIMETO, BARQUISIMETO**
**Address:** Apartado Postal 76, Barquisimeto.
**Daily Programs:** 11.30–03.30.
**YVKS/YVKO – RADIODIFUSORA NACIONAL DE VENEZUELA, CARACAS.**
**Daily Programs:** 16.00–19.00, 21.30–03.30. – *News in Spanish:* 16.45, 21.30, 23.30. – *News in French:* Tues. 02.30. – *News in English:* Fri. 01.00.
**YVKM – RADIO CONTINENTE.**
**Address:** Apartado 866, Caracas.
**Daily Programs:** 11.00–19.30, 21.25–03.30.
**Verification** by QSL card.
**YVQF – RADIO BOLIVAR, CIUDAD BOLIVAR.**
**Daily Programs:** 15.30–02.30.
**– 4975 kc/s RADIO RUMBOS, CARACAS.**

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# LONG- AND MEDIUM WAVE STATIONS

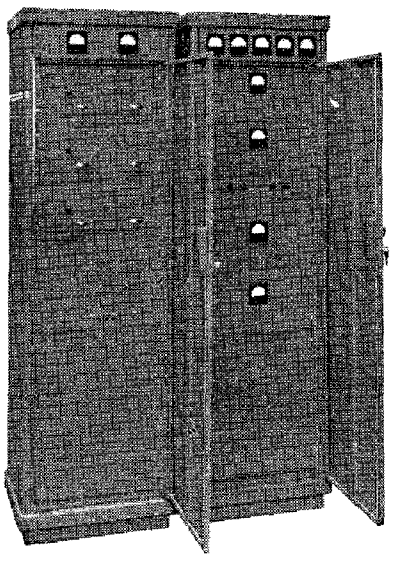
## EUROPE — NORTH AFRICA — NEAR EAST

| kc/s | Metres | kW | Station |
|---|---|---|---|
| 155 | 1935 | 150 | **Brasov** – Rumania |
| 155 | 1935 | 10 | **Tromsö** – Norway |
| 155 | 1935 | 100 | **"EST"** – **U. S. S. R.** |
| 164 | 1829 | 20 | **Strasbourg II** – France |
| 173 | 1734 | 500 | **Moscow I** – U. S. S. R. |
| 182 | 1648 | 10 | **Luleå** – Sweden |
| 182 | 1648 | 150 | **Ankara TAR** – Turkey |
| 182 | 1648 | 100 | **Reykjavik** – Iceland |
| 182 | 1648 | 100 | **"EST"** – U. S. S. R. |
| 191 | 1571 | 100 | **"EST"** – U. S. S. R. |
| 191 | 1571 | 200 | **Motala** – Sweden |
| 191 | 1571 | 50 | **"EST"** – U. S. S. R. |
| 200 | 1500 | 400 | **Droitwich** – Gr. Britain |
| 200 | 1500 | 100 | **"EST"** – U. S. S. R. |
| 209 | 1435 | 150 | **Kiev I** – U. S. S. R. |
| 218 | 1376 | 100 | **Oslo** – Norway |
| 224 | 1339 | 200 | **Warszawa I** – Poland |
| 232 | 1293 | 150 | **Luxembourg** – Luxembourg |
| 236 | 1271 | 100 | **Leningrad I** – U. S. S. R. |
| 236 | 1271 | 20 | **Berlin** – Germany (S.Z.) |
| 245 | 1224 | 60 | **Kalundborg** – Denmark |
| 254 | 1181 | 150 | **Lahti** – Finland |
| 263 | 1141 | 150 | **Moscow II** – U. S. S. R. |
| 263 | 1141 | 70 | **Deutschlandsender** – Germany (S.Z.) |
| 272 | 1103 | 7 | **Ostrava** – Czechoslovakia |
| 281 | 1068 | 100 | **Minsk** – U. S. S. R. |
| 385 | 779 | 50 | **Kharkov** – U. S. S. R. |
| 420 | 714.3 | 10 | **Östersund** – Sweden |
| 433 | 693 | 10 | **Uleåborg** – Finland |
| 519 | 578 | 0.2 | **Graz II** – Austria |
| 520 | 576.9 | 1 | **Hamar** – Norway |
| 529 | 567 | 150 | **Beromunster** – Switzerland |
| 539 | 557 | 135 | **Kossuth** – Hungary |
| 548 | 547 | 100 | **Munich A.F.N.** – Germany (A.Z.) |
| 557 | 539 | 100 | **Helsinki I** – Finland |
| 557 | 539 | 50 | **Monte Ceneri** – Switzerland |
| 565 | 531 | 15 | **Schönbrunn** – Austria |
| 565 | 531 | 1 | **Graz BFN** – Austria |
| 565 | 531 | 0.25 | **Klagenfurt BFN** – Austria |
| 566 | 530 | 5 | **Berlin NWDR** – Germany (B.Z.) |
| 566 | 530 | 100 | **Athlone** – Eire |
| 566 | 530 | 10 | **Palermo** – Italy |
| 575 | 521.7 | 20 | **Potsdam** – Germany (S.Z.) |
| 575 | 522 | 100 | **Riga** – U. S. S. R. (Latvia) |
| 575 | 522 | 100 | **Mühlacker** – Germany (A.Z.) |
| 575 | 521.7 | 50 | **Tel-Aviv** – Israel |
| 584 | 513.8 | 35 | **Vienna I (Ravag)** – Austria |
| 593 | 506 | 60 | **Sofia II** – Bulgaria |
| 593 | 506 | 150 | **Sundsvall** – Sweden |
| 593 | 506 | 10 | **Frankfurt (AFN)** – Germany (A.Z.) |
| 601 | 499.2 | 0.4 | **Athens** – Greece |
| 602 | 498 | 10 | **Lyon I** – France |
| 611 | 491 | 100 | **Petrozavodsk** – U.S.S.R. (Finnish-Carelia) |
| 611 | 491 | 20 | **Sarajevo** – Yugoslavia |
| 611 | 591 | 1 | **Berlin AFN** – Germany (A.Z.) |
| 611 | 491 | 5 | **Eidar** – Iceland |
| 611 | 491 | 20 | **Rabat I** – Morocco (French) |
| 615 | 488 | 50 | **"EST"** – U. S. S. R. |
| 620 | 483.9 | 20 | **Brussels I** – Belgium |
| 620 | 484 | 50 | **Malatya TAY** – Turkey |
| 620 | 484 | 20 | **Cairo I** – Egypt |
| 629 | 477 | 100 | **Vigra** – Norway |
| 629 | 477 | 20 | **Tunis II** – Tunisia |
| 629 | 477 | 6 | **Dornbirn** - Austria |
| 629 | 477 | 2 | **Innsbruck** – Austria |
| 638 | 470.2 | 120 | **Prague** – Czechoslovakia |
| 647 | 464 | 120 | **Daventry** – Gr. Britain |
| 647 | 464 | 2 | **Edinburgh** – Gr. Britain |
| 647 | 464 | 2 | **Glasgow** – Gr. Britain |
| 647 | 464 | 2 | **Newcastle** – Gr. Britain |
| 647 | 464 | 2 | **Redmoss** – Gr. Britain |
| 647 | 464 | 100 | **Kharkov** – U. S. S. R. (Ukraine) |
| 656 | 457.3 | 100 | **Napoli I** – Italy |
| 656 | 457.3 | 20 | **Bolzano I** – Italy |
| 656 | 457.3 | 100 | **Florence I** – Italy |
| 656 | 457.3 | 80 | **Turin I** – Italy |
| 665 | 451 | 100 | **Vilnus** – U. S. S. R. (Lithuania) |
| 665 | 451 | 15 | **Lisbon II** – Portugal |
| 665 | 451 | 10 | **Bayreuth AFN** – Germany (A.Z.) |
| 674 | 445.1 | 20 | **Kabul** Afganistan |
| 674 | 445.1 | 10 | **Bodö** – Norway |
| 674 | 445 | 20 | **Marseille I** – France |
| 674 | 445 | 24 | **Paris III** – Paris |
| 677 | 443 | 20 | **Ramallah** – Transjordan |
| 683 | 439.2 | 150 | **Belgrade** – Yugoslavia |
| 686 | 437.3 | 15 | **Madrid EAJ 7** – Spain |
| 692 | 434 | 150 | **Moorside Edge** – Gr. Britain |
| 701 | 428 | 10 | **Finnmark** – Norway |
| 701 | 428 | 1 | **Fez** – Marocco (French) |
| 704 | 426 | 150 | **Istanbul TAW** – Turkey |
| 710 | 422 | 100 | **Limoges I** – France |
| 710 | 422 | 10 | **Tartu** – (Tallinn) **USSR** – (Estonia) |
| 719 | 417.2 | 0.2 | **Malmberget** – Sweden |
| 719 | 417 | 50 | **Lisbon I** – Portugal |
| 719 | 417 | 40 | **Hof RIAS** – Germany (A.Z.) |
| 719 | 417 | 15 | **Graz I** – Austria |
| 719 | 417 | 15 | **Klagenfurt I** – Austria |
| 719 | 417 | 50 | **Damascus I** – Syria |
| 725 | 413.8 | 3 | **Djeddah** – Saudi Arabia |
| 728 | 412 | 0.35 | **Nürnberg (AFN)** – Germany (Am. Z.) |
| 728 | 412 | 15 | **Athens** – Greece |
| 731 | 410.4 | 5 | **Sevilla** – Spain |
| 731 | 410 | 0.5 | **Assiut** – Egypt |
| 737 | 407 | 10 | **Gliwice** – Poland |
| 737 | 407.6 | 20 | **Jerusalem** – Israel |
| 746 | 402 | 120 | **Hilversum I** – Netherland |
| 755 | 397 | 20 | **Kuopio** – Finland |
| 755 | 397.4 | 10 | **Vienna (RWR)** – Austria |
| 758 | 395.8 | 3.5 | **Madrid EAJ 2** – Spain |
| 755 | 397 | 10 | **Porto** – Portugal |
| 755 | 397 | 50 | **Timisoara** – Roumania |
| 764 | 393 | 150 | **Sottens** – Switzerland |
| 767 | 391.1 | 0.5 | **Baghdad** – Iraq |
| 773 | 388.1 | 55 | **Stockholm** – Sweden |
| 773 | 388 | 1 | **Linz KOFA** – Austria |
| 773 | 338.1 | 10 | **Augsburg** – Germany (Am. Z.) |
| 773 | 388.1 | 0.1 | **Chur** - Switzerland |
| 782 | 384 | 100 | **Kiev II** – U. S, S. R. |
| 782 | 383.6 | 70 | **Berlin** – Germany (S.Z.) |
| 791 | 379 | 100 | **Rennes** – France |
| 791 | 379.2 | 50 | **Salonika (V.O.A.)** – Greece |
| 795 | 377.4 | 10 | **Barcelona EAJ 11** – Spain |
| 800 | 375 | 100 | **Leningrad II** – U. S. S. R. |
| 800 | 375 | 10 | **Barcelona** – Spain |
| 809 | 371 | 20 | **Redmoss** – Gr. Britain |
| 809 | 371 | 100 | **Westerglen** – Gr. Britain |
| 809 | 371 | 100 | **Burghead** – Gr. Britain |
| 809 | 370.8 | 20 | **Skoplje** – ugoslavia |
| 818 | 367 | 50 | **Warsaw** – Poland |
| 827 | 362 | 60 | **Andorra** – Andorra |
| 827 | 362 | 100 | **Sofia I** – Bulgaria |
| 827 | 363 | 50 | **Ravensburg** – Germany (F.Z.)*) |
| 827 | 363 | 18 | **Freiburg** – Germany (F.Z.) |
| 827 | 363 | 1.5 | **Baden – Baden** – Germany (F.Z.) |
| 836 | 359 | 20 | **Nancy I** – France |
| 836 | 359 | 7 | **Beyrouth I** – Lebanon |
| 845 | 355 | 100 | **Rome I** – Italy |
| 850 | 353 | 30 | **Zaragosa** – Spain |
| 854 | 351.3 | 150 | **Bucarest I** – Rumania |
| 854 | 351 | 0.35 | **Bremerhaven** – Germany (A.Z.) |
| 854 | 351 | 0.35 | **Wetzlar** – Germany (A.Z.) |
| 863 | 347.6 | 100 | **Paris I** – France |
| 868 | 345 | 0.8 | **Vienna B.F.N.** – Austria |
| 872 | 344 | 2 | **Trieste II** – Trieste |
| 872 | 344 | 150 | **Moscow III** – U. S. S. R. |
| 881 | 341 | 5 | **Wrexham** – Gr. Britain |
| 881 | 341 | 150 | **Washford** – Gr. Britain |
| 881 | 341 | 20 | **Penmon** – Gr. Britain |
| 881 | 340.5 | 20 | **Titograd** – Yugoslavia |
| 890 | 337.1 | 20 | **Bergen I** – Norway |
| 890 | 337.1 | 20 | **Kristiansand** – Norway |
| 890 | 337.1 | 20 | **Tröndelag** – Norway |
| 890 | 337.1 | 40 | **Algiers II** Algeria |
| 896 | 335 | 20 | **Teheran** – Iran |
| 899 | 333.7 | 50 | **Milan I** – Italy |
| 908 | 330 | 150 | **London** – Gr. Britain |
| 910 | 330 | 2 | **Dresden** – Germany (S.Z.) |
| 917 | 327.1 | 135 | **Ljubljana** – Yugoslavia |

| kc/s | Metres | kW | Station |
|---|---|---|---|
| 917 | 327.1 | 5 | Fritzlar – Germany (A.Z.) |
| 917 | 327.2 | 10 | Madrid – Spain |
| 926 | 323.9 | 20 | Brussels II – Belgium |
| 935 | 321 | 100 | Lvov – U. S. S. R. (Ukraine) |
| 935 | 321 | 1 | Tangier – Tangier |
| 944 | 318 | 100 | Toulouse I – France |
| 953 | 315 | 100 | Brno I – Czechoslovakia |
| 962 | 312 | 40 | Turku I (Åbo) – Finland |
| 962 | 312 | 120 | Tunis I – Tunisia |
| 962 | 312 | 2 | Regensburg – Germany (A.Z.) |
| 962 | 312 | 1 | Augsburg – Germany (A.Z.) |
| 962 | 312 | 1 | Bayreuth – Germany (A.Z.) |
| 962 | 312 | 1 | Wurzburg – Germany (A.Z.) |
| 962 | 312 | 100 | München – Germany (A.Z.) |
| 962 | 312 | 0.3 | Hof – Germany (A.Z.) |
| 968 | 309.9 | 20 | La Coruna – Spain |
| 971 | 309 | 50 | Hamburg N.W.D.R. – Germany (B.Z.) |
| 971 | 309 | 50 | Langenberg N.W.D.R. – Germany (B.Z.) |
| 971 | 308.9 | 50 | Izmir TAZ – Turkey |
| 980 | 306.1 | 10 | Gothenburg – Sweden |
| 980 | 306 | 50 | Algiers I – Algeria |
| 989 | 303 | 100 | Berlin, Rias – Germany (A.Z.) |
| 989 | 303 | 1 | Joensu – Finland |
| 989 | 303 | 1 | Rovaniemi – Finland |
| 989 | 303 | 7 | Beyrouth II – Lebanon |
| 998 | 300.6 | 0.35 | Kassel AFN – Germany (A.Z.) |
| 998 | 300.6 | 0.35 | Bremen AFN – Germany (A.Z.) |
| 998 | 300.6 | 0.35 | Wiesbaden AFN – Germany (A.Z.) |
| 998 | 300.6 | 0.35 | Wurzburg AFN – Germany (A.Z.) |
| 1000 | 300 | 1 | Salonika – Greece |
| 1007 | 298 | 120 | Hilversum II – Netherlands |
| 1007 | 298 | 20 | Aleppo I – Syria |
| 1016 | 295 | 70 | Rheinsender – Germany (F.Z.) |
| 1016 | 295 | 0.75 | Dresden - Germany (S.Z.) |
| 1022 | 293.5 | 120 | Madrid-Arganda – Spain |
| 1022 | 293.5 | 5 | Madrid Local – Spain |
| 1025 | 293 | 100 | Graz-Dobl – Austria |
| 1034 | 290 | 100 | Tallinn – U. S. S. R. (Estonia) |
| 1034 | 290 | 20 | Parede – Portugal |
| 1034 | 290.1 | 5 | Venice II – Italy |
| 1034 | 290.1 | 10 | Milano II – Italy |
| 1034 | 290.1 | 5 | San Remo – Italy |
| 1034 | 290.2 | 0.35 | Berchtesgaden AFN – Germany (A.Z.) |
| 1034 | 290.2 | 0.35 | Fussen AFN – Germany (A.Z.) |
| 1034 | 290.2 | 0.35 | Hersfeld A.F.N. – Germany (A.Z.) |
| 1043 | 287.6 | 70 | Leipzig – Germany (S.Z.) |
| 1043 | 287.6 | 20 | Rabat II – Morocco (French) |
| 1043 | 287.6 | 2 | Salonica – Greece |
| 1052 | 285 | 150 | Start Point – Gr. Britain |
| 1052 | 285.1 | 5 | Bucarest II – Rumania |
| 1052 | 285.1 | 5 | Foscani – Rumania |
| 1061 | 283 | 50 | Stuttgart AFN – Germany (A.Z.) |
| 1061 | 283 | 20 | Weimar – Germany (S.Z.) |
| 1061 | 282.8 | 5 | Cagliari – Sardinia |
| 1061 | 283 | 5 | Kalundborg – Denmark |
| 1070 | 280.4 | 2 | Schwerin – Germany (S. Z.) |
| 1070 | 280 | 0.05 | Nantes II – France |
| 1070 | 280 | 1 | Bordeaux III – France |
| 1070 | 280 | 2 | Lille III – France |
| 1070 | 280 | 1 | Lyon III – France |
| 1070 | 280 | 1 | Marseille III – France |
| 1070 | 280 | 1.5 | Nancy III – France |
| 1070 | 280 | 10 | Paris II – France |
| 1079 | 278 | 50 | Wroclaw – Poland |
| 1088 | 276 | 20 | Norwich – Great Britain |
| 1088 | 276 | 150 | Droitwich – Great Britain |
| 1088 | 275.7 | 10 | Korca – Albania |
| 1088 | 275.7 | 10 | Shkodra – Albania |
| 1097 | 273.5 | 100 | Bratislava – Czechoslovakia |
| 1106 | 271.2 | 50 | Stuttgart – Germany (A.Z.) |
| 1115 | 269.1 | 1 | Bergen II – Norway |
| 1115 | 269.1 | 0.3 | Lista – Norway |
| 1115 | 269.1 | 1 | Namsos – Norway |
| 1115 | 269.1 | 1 | Notodden – Norway |
| 1115 | 269.1 | 20 | Bari I – Italy |
| 1115 | 269.1 | 50 | Bologna I – Italy |
| 1122 | 267.4 | 0.5 | Alexandria – Egypt |
| 1124 | 267 | 20 | Viborg – U. S. S. R. |
| 1124 | 266.9 | 10 | Brussels III – Belgium |
| 1124 | 266.9 | 5 | Varna – Bulgaria |
| 1133 | 264.8 | 135 | Zagreb – Yugoslavia |
| 1142 | 262.7 | 10 | Trieste I – Trieste |
| 1142 | 262.7 | 1 | Vienna WOFA – Austria |
| 1142 | 262.7 | 0.1 | Sool (Glarus) – Switzerland |
| 1142 | 262.7 | 40 | Oran I – Algeria |
| 1142 | 262.7 | 20 | Constantine I – Algeria |
| 1145 | 262 | 2.5 | Bilbao – Spain |
| 1151 | 261 | 100 | Lisnagarvey – Gr. Britain |
| 1151 | 261 | 5 | Londonderry – Gr. Britain |
| 1151 | 261 | 100 | Stagshaw – Gr. Britain |
| 1151 | 260.9 | 20 | Cluj – Rumania |
| 1151 | 260.9 | 5 | Baja – Rumania |
| 1151 | 260.9 | 5 | Oruden – Rumania |
| 1151 | 260.9 | 2.5 | Bilbao – Spain |
| 1160 | 258.6 | 20 | Strasbourg I – France |
| 1169 | 256.6 | 0.35 | Heidelberg AFN – Germany (A.Z.) |
| 1169 | 256.6 | 0.35 | Eschwege AFN – Germany (A.Z.) |
| 1169 | 256.6 | 0.35 | Regensburg AFN – Germany (A.Z. |
| 1169 | 256.6 | 1 | Porto – Portugal |
| 1178 | 254.7 | 100 | Hörby – Sweden |
| 1187 | 253 | 135 | Budapest II (Petofi) – Hungaria |
| 1196 | 250.9 | 20 | Halle – Germany (S.Z.) |
| 1196 | 250.9 | 100 | Munich (V.O.A.) – Germany (A.Z.) |
| 1200 | 250 | 5 | Barcelona – Spain |
| 1205 | 249 | 100 | Bordeaux I – France |
| 1205 | 249 | 6 | Poznan – Poland |
| 1205 | 248.3 | 5 | Haifa – Israel |
| 1214 | 247 | 60 | Brookmans Park – Gr. Britain |
| 1214 | 247 | 20 | Burghead – Gr. Britain |
| 1214 | 247 | 10 | Lisnagarvey – Gr. Britain |
| 1214 | 247 | 1 | Londonderry – Gr. Britain |
| 1214 | 247 | 58 | Moorside Edge – Gr. Britain |
| 1214 | 247 | 2 | Plymouth – Gr. Britain |
| 1214 | 247 | 2 | Redmoss – Gr. Britain |
| 1214 | 247 | 2 | Redruth – Gr. Britain |
| 1214 | 247 | 10 | Newcastle – Gr. Britain |
| 1214 | 247 | 50 | Westerglen – Gr. Britain |
| 1214 | 247 | 20 | Pinneberg BFN – Germany (B.Z.) |
| 1214 | 247 | 20 | Hannover BFN – Germany (B.Z.) |
| 1214 | 247 | 20 | Langenberg BFN – Germany (B.Z.) |
| 1214 | 247 | 10 | Herford BFN – Germany (B.Z.) |
| 1214 | 247 | 5 | Berlin BFN – Germany (B.Z.) |
| 1214 | 247 | 2 | Ponta Delgade – Azores |
| 1223 | 245.3 | 100 | Falun – Sweden |
| 1223 | 245.3 | 20 | Stara Zagora – Bulgaria |
| 1223 | 245.3 | 0.35 | Darmstadt AFN – Germany (A.Z.) |
| 1223 | 245.3 | 0.35 | Fritzlar AFN – Germany (A.Z.) |
| 1223 | 245.3 | 0.35 | Coburg AFN – Germany (A.Z.) |
| 1232 | 243.5 | 100 | Czechoslovak Network M – Czechoslovakia |
| 1233 | 243.3 | 10 | Tangier – Tangier |
| 1241 | 242 | 1 | Annemasse – France |
| 1241 | 242 | 20 | Clermont I – France |
| 1241 | 242 | 20 | Quimerch – France |
| 1241 | 242 | 10 | Montpellier I – France |
| 1241 | 242 | 20 | Dijon I – France |
| 1241 | 242 | 15 | Grenoble I – France |
| 1241 | 242 | 1 | Nice III – France |
| 1241 | 242 | 20 | Pau – France |
| 1241 | 242 | 1 | Poitiers – France |
| 1241 | 242 | 10 | Vaasa – Finland |
| 1250 | 240 | 10 | Nyiregyhaza – Hungary |
| 1250 | 240 | 5 | Salzburg RWR – Austria |
| 1250 | 240 | 1 | Cork – Eire |
| 1258 | 238.5 | 0.3 | Asturias Oviedo – Spain |
| 1258 | 238.5 | 5 | Valencia – Spain |
| 1259 | 238 | 50 | Szczecin – Poland |
| 1268 | 236 | 0.35 | Fritzlar AFN – Germany (Am. Z.) |
| 1268 | 236 | 0.35 | Darmstadt AFN – Germany (Am. Z.) |
| 1268 | 236 | 0.35 | Coburg AFN - Germany |
| 1268 | 236.6 | 20 | Belgrade II – Yugoslavia |
| 1277 | 235 | 100 | Lille I – France |
| 1286 | 233.3 | 100 | Kosice – Czechoslovakia |
| 1286 | 233 | 2 | Lisbon – Portugal |
| 1295 | 232 | 150 | Ottringham – Gr. Britain |
| 1300 | 230.7 | 1 | Athens – Greece |
| 1300 | 230.7 | 0.5 | Valladolid – Spain |
| 1304 | 230 | 1 | Gdansk – Poland |
| 1304 | 230 | 40 | Oran II – Algeria |
| 1304 | 230 | 20 | Constantine – Algeria |
| 1304 | 230 | 2 | Bremerhaven – Germany (A.Z.) |
| 1311 | 228.9 | 0.2 | Klagenfurt II – Austria |
| 1312 | 228.8 | 0.5 | Badalona EAJ 39 – Spain |
| 1313 | 228.5 | 100 | Stavanger – Norway |
| 1313 | 228.8 | 1 | Salzburg BDN – Austria |
| 1315 | 227.9 | 8 | Malaga – Spain |
| 1322 | 227 | 100 | Ouchgorod – U. S. S. R. |
| 1331 | 225.4 | 20 | Venice I – Italy |
| 1331 | 225.4 | 10 | Genoa I – Italy |

| kc/s | Metres | kW | Station |
|---|---|---|---|
| 1331 | 225.4 | 5 | Messina – Italy |
| 1331 | 225.4 | 25 | Pescara – Italy |
| 1331 | 225.4 | 5 | Rome II – Italy |
| 1340 | 224 | 150 | Crowborough – Gr. Britain |
| 1340 | 224 | 5 | Magyarovar – Hungary |
| 1340 | 224 | 5 | Miskolc – Hungary |
| 1340 | 224 | 5 | Pecs – Hungary |
| 1349 | 222.6 | 10 | Cairo II – Egypt |
| 1349 | 222.4 | 20 | Limoges II – France |
| 1349 | 222.4 | 25 | Lyon II – France |
| 1349 | 222.4 | 1 | Montelimar – France |
| 1349 | 222.4 | 10 | Nancy II – France |
| 1349 | 222.4 | 20 | Toulouse II – France |
| 1349 | 222.4 | 1 | Rennes II - France |
| 1349 | 222.6 | 20 | Madona – U. S. S. R. (Latvia) |
| 1349 | 222.6 | 20 | Kuldiga – U. S. S. R. (Latvia) |
| 1358 | 220.9 | 0.2 | Kiruna – Sweden |
| 1358 | 220.9 | 100 | Tirana – Albania |
| 1358 | 220.9 | 2 | Bremen – Germany (A.Z.) |
| 1358 | 220.9 | 1 | Faro – Portugal |
| 1367 | 219 | 24 | Torun – Poland |
| 1367 | 219 | 5 | Catania I – Italy |
| 1367 | 219 | 1 | Coimbra – Portugal |
| 1367 | 218.9 | 0.35 | Bamberg AFN – Germany (A.Z.) |
| 1367 | 218.9 | 0.35 | Sonthofen AFN – Germany (A.Z.) |
| 1376 | 218 | 20 | Marseille II – France |
| 1385 | 216.8 | 5 | Valencia – Spain |
| 1385 | 216.8 | 150 | Kaunas – U. S. S. R. (Lithuania) |
| 1385 | 216.8 | 0.35 | Ansbach AFN – Germany (A.Z.) |
| 1385 | 216.8 | 0.35 | Garmisch AFN – Germany (A.Z.) |
| 1394 | 215.2 | 15 | Linz R.W.R. – Austria |
| 1394 | 215.2 | 0.5 | Eskilstuna – Sweden |
| 1394 | 215.2 | 0.5 | Hälsingborg – Sweden |
| 1394 | 215.2 | 0.5 | Uppsala – Sweden |
| 1394 | 215.2 | 0.5 | Visby – Sweden |
| 1394 | 215.2 | 0.4 | Säffle – Sweden |
| 1394 | 215.2 | 0.25 | Trollhättan – Sweden |
| 1394 | 215.2 | 0.2 | Jönköping – Sweden |
| 1394 | 215.2 | 0.2 | Kristinehamn – Sweden |
| 1394 | 215.2 | 0.2 | Varberg – Sweden |
| 1403 | 214 | 20 | Montpellier II – France |
| 1403 | 214 | 20 | Nice II – France |
| 1403 | 214 | 20 | Quimper II – France |
| 1403 | 214 | 20 | Louvetot I France |
| 1403 | 214 | 20 | Bordeaux II – France |
| 1403 | 214 | 2 | Nimes – France |
| 1403 | 214 | 10 | Montbeliard – France |
| 1403 | 214 | 2 | Perpignan – France |
| 1412 | 212.4 | 5 | Maribor – Yugoslavia |
| 1412 | 212.4 | 2 | Novi Sad – Yugoslavia |
| 1412 | 212.4 | 1.5 | Nis – Yugoslavia |
| 1412 | 212.4 | 1 | Bitolj – Yugoslavia |
| 1412 | 212.4 | 0.8 | Dubrovnik – Yugoslavia |
| 1412 | 212.4 | 0.5 | Krusevac – Yugoslavia |
| 1412 | 212.4 | – | Trieste AFN – Trieste |
| 1421 | 211.1 | 20 | Saarbrücken – Saar |
| 1421 | 211.1 | 5 | Sfax I – Tunisia |
| 1421 | 211.1 | 0.75 | Tlemcen – Algeria |
| 1421 | 211.1 | 1 | Fort National – Algeria |
| 1428 | 210 | 0.25 | Oviedo – Spain |
| 1430 | 209.8 | 30 | Copenhagen – Denmark |
| 1430 | 209.8 | 5 | Gjinokastra – Albania |
| 1435 | 209 | 0.2 | Mallorca – Spain |
| 1439 | 208.5 | 100 | Frankfurt – Germany (A.Z.) |
| 1439 | 208.5 | 0.3 | Kassel – Germany (A.Z.) |
| 1439 | 208.5 | 20 | Schwerin – Germany (S.Z.) |
| 1439 | 208.4 | 150 | Luxembourg – Luxembourg |
| 1447 | 207.3 | 0.2 | Valencia - Spain |
| 1447 | 207.3 | 0.15 | Galicia –Spain |
| 1447 | 207.3 | 0.1 | Alicante – Spain |
| 1447 | 207.3 | 9 | Castilla – Spain |
| 1447 | 207.3 | 1 | Granada – Spain |
| 1448 | 207.2 | 5 | Naples II – Italy |
| 1448 | 207.2 | 5 | Ancona – Italy |
| 1448 | 207.2 | 20 | Turin II – Italy |
| 1448 | 207.2 | 1 | Hudiksvall – Sweden |
| 1448 | 207.2 | 0.5 | Gävle – Sweden |
| 1448 | 207.2 | 0.5 | Örnsköldsvik – Sweden |
| 1450 | 207 | 1 | Jaen – Spain |
| 1450 | 207 | 0.2 | Cordoba – Spain |
| 1457 | 205.2 | 20 | Craiova – Rumania |
| 1457 | 206 | 60 | Bartley – Gr. Britain |
| 1457 | 206 | 60 | Clevedon – Gr. Britain |
| 1457 | 206 | 0,8 | Osijek – Yugoslavia |
| 1464 | 202 | 2 | Dublin – Eire |
| 1466 | 205 | 150 | Monte Carlo – Monaco |
| 1466 | 204.6 | 0.25 | Geilo – Norway |
| 1466 | 204.6 | 1 | Narvik – Norway |
| 1466 | 204.6 | 0,25 | Odda – Norway |
| 1466 | 204.6 | 1 | Porsgrunn – Norway |
| 1466 | 204.6 | 0.25 | Svalbard – Norway |
| 1475 | 203.4 | 2 | Vienna II – Austria |
| 1484 | 202.2 | 1 | Algiers III – Algeria |
| 1484 | 202 | 0.5 | Angra do Heroismo – Portugal |
| 1484 | 202 | 2 | Herford N.W.D.R. – Germany (B.Z.) |
| 1484 | 202 | 0.4 | Kiel N.W.D.R. – Germany (B.Z.) |
| 1484 | 202 | 5 | Osterloog N.W.D.R. – Germany (B.Z.) |
| 1484 | 202.2 | 5 | Genoa II – Italy |
| 1484 | 202.2 | 5 | Spezia – Italy |
| 1484 | 202.2 | 1 | Udine – Italy |
| 1484 | 202.2 | 1 | Bari II – Italy |
| 1484 | 202.2 | 1 | Bologna II – Italy |
| 1484 | 202.2 | 0.25 | Catania II – Italy |
| 1484 | 202.2 | 1 | Verona – Italy |
| 1484 | 202.2 | 1 | Bolzano II – Italy |
| 1484 | 202.2 | 3 | Florence II – Italy |
| 1484 | 202.2 | 0.5 | Liberec – Czechoslovakia |
| 1484 | 202.2 | 5 | Hekurudha – Albania |
| 1484 | 202.2 | 0.5 | Ustinad Labém – Czechoslovakia |
| 1484 | 202.2 | 5 | Vatican City – Vatican State |
| 1484 | 202.2 | 0.25 | Fåberg – Norway |
| 1484 | 202.2 | 2 | Leipzig – Germany (S.Z.) |
| 1484 | 202.2 | 0.025 | Mosiöen – Norway |
| 1484 | 202.2 | 0.25 | Rjukan – Norway |
| 1484 | 202.1 | 0.8 | Ajdovscina – Yugoslavia |
| 1484 | 202.1 | 2 | Pristina – Yugoslavia |
| 1484 | 202.1 | 1.5 | Rijeka – Yugoslavia |
| 1484 | 202.1 | 0.3 | Zajecar – Yugoslavia |
| 1484 | 202.1 | 0.02 | Valjevo – Yugoslavia |
| 1484 | 202.1 | 1 | Helsinki II – Finland |
| 1484 | 202.1 | 1 | Pietarsaari – Finland |
| 1484 | 202.1 | 1 | Pori – Finland |
| 1484 | 202.1 | 0.2 | Tammisaari – Finland |
| 1484 | 202.1 | 1 | Tampere – Finland |
| 1484 | 202.1 | 0.2 | Turku II – Finland |
| 1484 | 202.1 | 2 | Lodz – Poland |
| 1484 | 202.1 | 0.25 | Volos – Greece |
| 1484 | 202.1 | 1 | Funchal – Madeira |
| 1484 | 202.2 | 1 | Rennes III – France |
| 1484 | 202.2 | 1 | Clermont – France |
| 1484 | 222.2 | 0.05 | Grenoble II – France |
| 1484 | 202.2 | 0.25 | Dijon II - France |
| 1484 | 202.2 | 0.05 | Toulon - France |
| 1484 | 202.2 | 1 | Limoges III - France |
| 1484 | 202.2 | 0.05 | Mulhouse - France |
| 1484 | 202.1 | 2 | Copenhagen – Denmark |
| 1484 | 202.2 | 0.05 | Saint-Brieuc – France |
| 1484 | 202.2 | 0.2 | Montpellier II – France |
| 1484 | 202.2 | 0.05 | Besancon – France |
| 1484 | 202.1 | 5 | Malta Garrison – Malta |
| 1484 | 202.2 | 2 | Strasbourg III – France |
| 1484 | 202.2 | 0.05 | S. Etiènne - France |
| 1484 | 202.2 | 0.5 | Toulouse III - France |
| 1484 | 202.2 | 1 | Rennes III - France |
| 1485 | 201.9 | 0.16 | Huelva – Spain |
| 1492 | 201.1 | 0.2 | Valladolid – Spain |
| 1492 | 201.1 | 0.6 | Badajoz – Spain |
| 1492 | 201.1 | 0.2 | Murcia – Spain |
| 1492 | 201.1 | 0.1 | Alcira – Spain |
| 1492 | 201.4 | 0.4 | Albacete – Spain |
| 1492 | 201.1 | 0.2 | Gijon – Spain |
| 1492 | 201.1 | 0.2 | Linares – Spain |
| 1492 | 201.1 | 0.2 | Vigo – Spain |
| 1492 | 201.1 | 0.5 | Tenerife – Canary Islands |
| 1492 | 201.1 | 0.2 | Melilla – Sp. Morocco |
| 1493 | 201 | 20 | Lille II – France |
| 1493 | 201 | 10 | Nantes I – France |
| 1500 | 200 | 0.35 | Castellon – Spain |
| 1500 | 200 | 0.2 | Cuenca – Spain |
| 1500 | 200 | 0.2 | Reus – Spain |
| 1500 | 200 | 0.2 | La Coruna – Spain |
| 1500 | 200 | 0.2 | Toledo – Spain |
| 1500 | 200 | 0.2 | Segovia – Spain |
| 1500 | 200 | 0.2 | Pontevedra – Spain |
| 1500 | 200 | 0.2 | Algeciras – Spain |
| 1500 | 200 | 0.2 | Almeria – Spain |
| 1500 | 200 | 0.2 | Cadiz – Spain |
| 1500 | 200 | 0.2 | Leon – Spain |

| kc/s | Metres | kW | Station |
|---|---|---|---|
| 1500 | 200 | 0.2 | Lugo – Spain |
| 1500 | 200 | 0.2 | Onteniente – Spain |
| 1500 | 200 | 0.2 | Salamanca – Spain |
| 1500 | 200 | 0.2 | Las Palmas – Canary Islands |
| 1502 | 200 | 50 | Cracow – Poland |
| 1502 | 199.7 | 0.35 | Bad Kissingen AFN – Germany (A.Z.) |
| 1502 | 199.7 | 0.35 | Hof AFN – Germany (A.Z.) |
| 1502 | 199.7 | 0.35 | Marburg AFN – Germany (A.Z.) |
| 1511 | 198.5 | 5 | Bruxelles IV – Belgium |
| 1511 | 198 | 0.1 | Patras – Greece |
| 1529 | 196 | 100 | Vatican – Vatican City |
| 1529 | 196 | 1 | Funchal – Madeira |
| 1529 | 196.2 | 0.5 | Karlskrona – Sweden |
| 1529 | 196.2 | 1 | Umeå – Sweden |
| 1529 | 196.2 | 0.08 | Porjus – Sweden |
| 1538 | 195 | 5 | Reutlingen – Germany (F.Z.) |
| 1538 | 195 | 20 | Dürsheim – Germany (F.Z.) |
| 1546 | 194 | 5 | Vinnitza – U. S. S. R. |
| 1546 | 194 | 2 | Bournemouth – Gr. Britain |
| 1546 | 194 | 5 | Brighton – Gr. Britain |
| 1546 | 194 | 2 | Cardiff – Gr. Britain |
| 1546 | 194 | 2 | Dundee – Gr. Britain |
| 1546 | 195 | 5 | Belfast – Gr. Britain |
| 1546 | 194 | 5 | Exeter – Gr. Britain |
| 1546 | 194 | 2 | Fareham – Gr. Britain |
| 1546 | 194 | 5 | Hull – Gr. Britain |
| 1546 | 194 | 5 | Leeds – Gr. Britain |
| 1546 | 194 | 5 | Liverpool – Gr. Britain |
| 1546 | 194 | 2 | Manchester – Gr. Britain |
| 1546 | 194 | 2 | Middlesbrough – Gr. Britain |
| 1546 | 194 | 5 | Plymouth – Gr. Britain |
| 1546 | 194 | 2 | Preston – Gr. Britain |
| 1546 | 194 | 2 | Redruth – Gr. Britain |
| 1546 | 194 | 2 | Sheffield – Gr. Britain |
| 1546 | 193.7 | 0.35 | Aschaffenburg AFN – Germany (A.Z.) |
| 1554 | 193 | 20 | Turi – U. S. S. R. (Estonia) |
| 1554 | 193 | 60 | Nice II (Paris Inter.) – France |
| 1562 | 192 | 5 | Porto – Portugal |
| 1562 | 192.1 | 2.5 | Malmö – Sweden |
| 1562 | 192.1 | 2 | Borås – Sweden |
| 1562 | 192.1 | 2 | Halmstad – Sweden |
| 1562 | 192.1 | 2 | Kalmar – Sweden |
| 1562 | 192.1 | 0.5 | Örebro – Sweden |
| 1562 | 192.1 | 0.25 | Karlstad – Sweden |
| 1562 | 192.1 | 0.25 | Norrköping – Sweden |
| 1562 | 192.1 | 0.05 | Uddevalla – Sweden |
| 1570 | 191.1 | 0.08 | Berlin – Germany (S.Z.) |
| 1578 | 190.1 | 10 | Frederikstad – Norway |
| 1478 | 190.1 | 0.14 | Cosenza - Italy |
| 1578 | 190 | 20 | Landshut – Germany (A.Z.) |
| 1578 | 190,1 | 0.04 | Foggia - Italy |
| 1578 | 190.1 | 0.04 | Merano - Italy |
| 1578 | 190.1 | 0.04 | Potenza - Italy |
| 1578 | 190.1 | 0.04 | Savona - Italy |
| 1578 | 190.1 | 0.04 | Salerno - Italy |
| 1578 | 190.1 | 0.04 | Trento - Italy |
| 1578 | 190.1 | 0.04 | Catanzaro – Italy |
| 1578 | 195 | 0.35 | Landshut – Germany (A.Z.) |
| 1586 | 189 | 5 | Osnabruck – Germany (B.Z.) |
| 1586 | 189 | 0.4 | Bonn – Germany (B.Z.) |
| 1586 | 189 | 3 | Flensburg – Germany (B.Z.) |
| 1586 | 189 | 20 | Hanover – Germany (B.Z.) |
| 1586 | 189 | 20 | Oldenburg – Germany (B.Z.) |
| 1594 | 188 | 0.15 | 12 Synchr. low power st. – Portugal |
| 1594 | 188 | 0.5 | Lisbon – Portugal |
| 1594 | 188 | 0.1 | Santa Maria – Portugal |
| 1594 | 188 | 0.5 | Funchal – Madeira |
| 1594 | 188 | 1.5 | Hoogezand – Netherlands |
| 1594 | 188 | 1.5 | Hengelo – Netherlands |
| 1594 | 188 | 1.5 | Hulzberg – Netherlands |
| 1594 | 188 | 0 2 | Hanko – Finland |
| 1594 | 188 | 0.2 | Karjaa – Finland |
| 1594 | 188.2 | 0.5 | Varazdin - Yugoslavia |
| 1594 | 188.2 | 0.2 | Ljubljana II – Yugoslavia |
| 1602 | 187.3 | 20 | Nurnberg – Germany (A.Z.) |
| 1602 | 187 | 1 | Porto – Portugal |

V. H. F. Storno U. H. F.

COMMUNICATION EQUIPMENT

★ FM-RADIOTELEPHONE EQUIPMENT

★ AIRPORT GROUND STATIONS

★ MULTICHANNEL MICROWAVE LINKS

★ OUTSIDE BROADCAST EQUIPMENT

★ WALKIE-TALKIES

STORNO

VED AMAGERBANEN 21 - COPENHAGEN - DENMARK

PHONE: SUNDBY 6800 TELEGRAMS: STORE NORDISKE

# SHORTWAVE STATIONS OF THE WORLD

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 2240 | 133.90 | YDB | 0.3 | Djakarta – Java |
| 2300 | 130.00 | YDG2 | 0.1 | Surakarta – Java |
| 2320 | 129.00 | YDL2 | 0.3 | Padang – Sumatra |
| 2350 | 127.60 | YDW | 0.25 | Pontianak – Borneo |
| 2415 | 124.20 | YDA2 | 0.15 | Bandoeng – Java |
| 2450 | 122.45 | YDJ3 | 0.3 | Jogjakarta – Java |
| 2500 | 120.00 | YDH | 0.15 | Semarang – Java |
| 2600 | 115.40 | YDD | 0.30 | Djakarta – Java |
| 2880 | 104.20 | GRC | 50 | London – Gr. Britain |
| 3270 | 91.75 | YDM | 0.3 | Bukittinggi – Sumatra |
| 3290 | 91.20 | | 1 | Johannesburg – S. Africa |
| 3310 | 90.63 | YVOG | 0.60 | Trujillo – Venezuela |
| 3320 | 90.36 | | 15 | Salisbury – S. Rhodesia |
| 3320 | 90.36 | DZB2 | 10 | Manila – Philippine Islands |
| 3330 | 90.09 | YVQL | 1 | El Tigre – Venezuela |
| 3332 | 90.00 | YDG | 1 | Surakarta – Java |
| 3340 | 89.82 | YVMU | 0.20 | Carora – Venezuela |
| 3356 | 89.40 | | 5 | Johannesburg – S. Africa |
| 3360 | 89.34 | YVOC | 1 | S. Christobal – Venezuela |
| 3365 | 89.15 | HI3H | 1 | Trujillo – Dominicana |
| 3370 | 89.02 | YVMI | 0.5 | Maracaibo – Venezuela |
| 3380 | 88.76 | YVQ | 7.5 | Puerto la Cruz – Venezuela |
| 3380 | 88.76 | YDO | 0.3 | Bandjermassin – Borneo |
| 3390 | 88.50 | YDA | 3 | Bandoeng – Java |
| 3400 | 88.24 | | 0.5 | Noumea – New Caledonia |
| 3400 | 88.24 | YVKP | 0.7 | Caracas – Venezuela |
| 3410 | 87.97 | YVML | 1 | Cabimas – Venezuela |
| 3420 | 87.72 | YVOJ | 1.5 | Merida – Venezuela |
| 3430 | 87.46 | YVLI | 0.30 | Maracay – Venezuela |
| 5430 | 87.46 | LRS | 5 | Buenos Aires - Argentina |
| 3440 | 87.21 | YVMC | 0.70 | Maracaibo – Venezuela |
| 3450 | 86.97 | | 5 | Johannesburg III – S. Africa |
| 3450 | 86.96 | YVQI | 1 | Barcelona – Venezuela |
| 3458 | 86.75 | YVLD | 0.70 | Valencia – Venezuela |
| 3480 | 86.21 | YVLE | 0.50 | Puerto Cabello – Venezuela |
| 3490 | 85.96 | CR7AB | 7.5 | Lourenco Marques – Moz. |
| 3490 | 85.96 | YVRA | 0.20 | Maturin – Venezuela |
| 3495 | 85.84 | VUD2 | 10 | Delhi – India |
| 3505 | 85.59 | YVKX | 1.80 | Caracas – Venezuela |
| 3515 | 85.34 | YVQG | 1 | Barcelona – Venezuela |
| 3530 | 84.99 | YVKT | 1 | Caracas – Venezuela |
| 3550 | 84.51 | YVOC | 1 | S. Christobal – Venezuela |
| 3570 | 84.07 | YVKD | 1 | Caracas – Venezuela |
| 3590 | 83.51 | YVQA | 1 | Cumana – Venezuela |
| 3620 | 82.87 | YVLG | 0.20 | Maracaibo – Venezuela |
| 3900 | 76.92 | FIQA | 1 | Tananarive – Madagascar |
| 3914 | 76.60 | ZQP | 0.4 | Lusaka – N. Rhodesia |
| 3945 | 76.05 | YDH2 | 1 | Semarang – Java |
| 3950 | 75.96 | DXB2 | 3 | Davao City – Philippine Islands |
| 3950 | 75.96 | | 3 | Djeddah – Saudi Arabia |
| 3980 | 75.38 | YDI2 | 5 | Soerabaia – Java |
| 3980 | 75.38 | | 20 | Teheran – Iran |
| 4032 | 74.41 | YNJJ | 0.025 | Jinotepe – Nicaragua |
| 4169 | 71.90 | TGOA | 5 | Guatemala City – Guatemala |
| 4200 | 71.50 | HC5AO | 0.25 | Cuenca – Ecuador |
| 4202 | 71.39 | HC4AS | 0.25 | Bahia – Ecuador |
| 4290 | 69.63 | COX7 | 5 | Havana – Cuba |
| 4560 | 65.79 | HC4FF | 0.15 | Esmeraldas – Ecuador |
| 4651 | 64.50 | HC2AK | 1 | Guayaquil – Ecuador |
| 4710 | 63.69 | HC2BK | 0.5 | Guayaquil – Ecuador |
| 4712 | 63.66 | HC2CT | 0.40 | Guayaquil – Ecuador |
| 4715 | 63.63 | HC5BU | 0.35 | Cuenca – Ecuador |
| 4721 | 63.55 | HC6VT | 0.2 | Ambato – Ecuador |
| 4725 | 63.49 | HC5BE | 0.30 | Punta – Ecuador |
| 4738 | 63.52 | HC1IM | 0.25 | Ibarra – Ecuador |

60 METRE BAND.

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 4750 | 63.16 | HC1BF | 0.2 | Quito – Ecuador |
| 4752 | 63.13 | YVMA | 0,20 | Maracaibo – Venezuela |
| 4760 | 63.03 | YVKV | 0,3 | La Guaira – Venezuela |
| 4766 | 62.94 | HC4FA | 0,20 | Portoviejo – Ecuador |
| 4767 | 62.95 | OAX4N | 0.3 | Piura – Peru |
| 4770 | 62.87 | HC2AM | 0,5 | Guayaquil – Ecuador |
| 4770 | 62.89 | YVMW | 0,3 | Punto Fijo – Venezuela |
| 4770 | 62.89 | CR6RG | 0,8 | Dundo – Angola |
| 4780 | 62.76 | | 10 | Singapore – Malaya |
| 4780 | 62.76 | YVLA | 0,20 | Valencia – Venezuela |
| 4780 | 62.76 | HUB | 0,30 | S. Salvador – El Salvador |
| 4780 | 62.76 | HUB | 0,30 | S. Salvador – El Salvador |
| 4780 | 62.76 | HJGB | 2,5 | Bucaramanga – Colombia |
| 4785 | 62.76 | EQD | 2 | Teheran – Iran |
| 4785 | 62.70 | HJAB | 1 | Barranquilla – Colomb. |
| 4790 | 62.70 | ZYM8 | 0,50 | Sao Luiz – Brazil |
| 4790 | 62.63 | HC1GP | 0,2 | Quito – Eucador |
| 4797 | 62.63 | YVQC | 6,0 | Bolivar – Venezuela |
| 4807 | 62.54 | | 0,1 | St. Denis – Reunion |
| 4800 | 62.50 | | 1 | JohannesburgIV – S. Africa |
| 4800 | 62.50 | YVME | 0,8 | Maracaibo – Venezuela |
| 4807 | 62.40 | CR5SC | 1 | Sao Tomé – Port. W. Afr. |
| 4810 | 62.37 | YVMG | 0,5 | Maracaibo – Venezuela |
| 4815 | 62.30 | CR6RF | 0,45 | Benguela – Angola |
| 4815 | 62.31 | HJBB | 0,75 | Cucuta – Colombia |
| 4819 | 62.25 | CR7BV | 7,5 | Lourenco-Marques – Moz. |
| 4820 | 62.24 | YVRC | 1 | S. Fernando – Venezuela |
| 4820 | 62.24 | XEJG | 0,20 | Guadalajara – Mexico |
| 4825 | 62.18 | | 10 | Singapore – Malaya |
| 4825 | 62.18 | ZYE7 | 0,5 | Parnaiba – Brazil |
| 4825 | 62.18 | HJED | 1 | Cali – Colombia |
| 4830 | 62.11 | YVOA | 5 | S. Christobal – Venez. |
| 4835 | 62.05 | HJKE | 2,5 | Bogota – Colombia |
| 4840 | 61.98 | YVOI | 1 | Den Pasar – Bali |
| 4840 | 61.98 | YVOI | 1,5 | Valera – Venezuela |
| 4840 | 61.98 | YDI4 | 1,2 | Soerabaia – Java |
| 4840 | 61.98 | VUB2 | 10 | Bombay – India |
| 4845 | 61.92 | | 1 | Ponta Delgada – Azores |
| 4845 | 61.92 | ZYU8 | 0,50 | Teresina – Brazil |
| 4847 | 61.89 | HJGF | 2,5 | Bucaramanga – Colombia |
| 4850 | 61.86 | YVMS | 0,30 | Barquisimeto – Venez. |
| 4855 | 61.79 | VQ7LO | 6 | Nairobi – Kenya |
| 4855 | 61.79 | YDK | 0,25 | Palembang – Sumatra |
| 4855 | 61.79 | HJCA | 1 | Bogota – Colombia |
| 4860 | 61.73 | YVPA | 0,20 | Vera Cruz – Venezuela |
| 4860 | 61.73 | JKL | 5 | Yamata – Japan |
| 4865 | 61.66 | PRC5 | 2 | Belem – Brazil |
| 4865 | 61.66 | YDS | 1 | Menado – Celebes |
| 4866 | 61.64 | HJFA | 1 | Pereira – Colombia |
| 4770 | 63.60 | HC1BT | 0,50 | Quito – Ecuador |
| 4874 | 61.55 | HJFH | 1 | Armenia – Colombia |
| 4878 | 61.50 | | 0,20 | Pietermaritzb. – S. Afr. |
| 4880 | 61.48 | VUC2 | 10 | Calcutta – India |
| 4880 | 61.48 | VUC3 | 0,25 | Calcutta – India |
| 4880 | 61.47 | YVKF | 7,5 | Caracas – Venezuela |
| 4885 | 61.41 | HJDP | 1 | Medellin – Colombia |
| 4890 | 61.35 | HI3C | 0,03 | La Romana – Dominicana |
| 4890 | 61.35 | YVKC | 10 | Caracas – Venezuela |
| 4895 | 61.29 | HJCH | 3 | Bogota – Colombia |
| 4895 | 61.29 | PRF6 | 0,25 | Manaos – Brazil |
| 4895 | 61.29 | YDZ | 0,50 | Biak – New Guinea |
| 4895 | 61.28 | | 5 | Johannesburg III – S. Afr. |
| 4897 | 61.26 | VLX2 | 10 | Perth – Australia |
| 4900 | 61.22 | HC2AJ | 1,0 | Guayaquil – Ecuador |
| 4900 | 61.23 | | 7,5 | Colombo – Ceylon |
| 4903 | 61.20 | HJAG | 1 | Barranquilla – Colomb. |
| 4910 | 61.10 | JKI | 5 | Nazaki – Japan |
| 4910 | 61.10 | YDB2 | 0,30 | Djakarta – Java |
| 4910 | 61.10 | YVMM | 0,20 | Coro – Venezuela |
| 4915 | 61.04 | ZOY | 5 | Accra – Gold Coast |
| 4917 | 61.01 | VLM | 0,2 | Brisbane – Australia |
| 4920 | 60.99 | YVKR | 5 | Caracas – Venezuela |
| 4920 | 60.98 | VUM2 | 10 | Madras – India |
| 4930 | 60.85 | YDP | 1 | Medan – Sumatra |
| 4930 | 60.90 | HCRC1 | 0,50 | Quito – Ecuador |
| 4931 | 60.85 | HJAP | 1 | Cartagena – Colombia |
| 4932 | 60.83 | CR7BU | 7,5 | Lourenco-Marques – Moz. |
| 4940 | 60.73 | JKM | 5 | Kawachi – Japan |
| 4945 | 60.61 | YDA3 | 3 | Bandoeng – Java |
| 4945 | 60.66 | HJCW | 1 | Bogota – Colombia |
| 4945 | 60.66 | | 5 | Johannesburg – S. Afr. |
| 4950 | 60.60 | ZQI | 5 | Kingston – Jamaica |
| 4955 | 60.54 | ZYS8 | 5 | Manaos – Brazil |
| 4955 | 60.55 | HJCQ | 1 | Bogota – Colombia |
| 4960 | 60.48 | VUD2 | 10 | Delhi – India |
| 4960 | 60.48 | YVQA | 1 | Cumana – Venezuela |
| 4960 | 60.48 | HC5HP | 1,0 | Riobamba – Ecuador |
| 4965 | 60.42 | HJAE | 1 | Cartagena – Colombia |
| 4965 | 60.42 | | 7,5 | Malta Garrison - Malta |
| 4975 | 60.30 | | 1 | Cumana – Venezuela |
| 4980 | 60.24 | OQ2AC | 0,25 | Elisabethville – Belg. Congo |
| 4980 | 60.24 | HI1A | 0,075 | Santiago – Dominicana |
| 4985 | 60.19 | DYB2 | 0,25 | Bacalod City – Philippine Isl. |
| 4986 | 60.18 | HCQRX | 0,25 | Quito – Ecuador |
| 4986 | 60.19 | PRJ9 | 2,5 | Sao Luiz – Argentina |
| 4990 | 60.12 | YVMQ | 4 | Barquisimeto – Venez. |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 4990 | 60.12 | YVMO | 2 | Barquisimeto – Venez. |
| 5000 | 60.00 | WWVH | 0,4 | Maui – Hawaii |
| 5010 | 59.88 | PJC2 | 3 | Willemstad – Curacao |
| 5020 | 59.76 | YVKO | 2 | Caracas – Venezuela |
| 5024 | 59.71 | CR6RH | 0,05 | Sai-da-Bandeira – Angola |
| 5025 | 59.70 | HC5BL | 0,75 | Cuenca – Ecuador |
| 5030 | 59.67 | HI8Z | 0,2 | Santiago – Dominicana |
| 5030 | 59.64 | YDQ2 | 0,3 | Makassar – Celebes |
| 5040 | 59.52 | YVKM | 7,5 | Caracas – Venezuela |
| 5059 | 59.30 | | 25 | Frunze – U.S.S.R. |
| 5060 | 59.30 | YDJ | 3 | Djogjakarta – Java |
| 5060 | 59.29 | | 50 | Leningrad – U.S.S.R. |
| 5060 | 59.29 | YVKD | 5 | Caracas – Venezuela |
| 5096 | 58.87 | CR6GN | 1 | Luanda – Angola |
| 5187 | 57.83 | YSCP | 1 | S. Salvador – El Salv. |
| 5352 | 56.05 | HCK | 0,30 | Quito – Ecuador |
| 5484 | 54.69 | | 25 | Molotov – U.S.S.R. |
| 5706 | 52.57 | OAX1B | 0,30 | Lima – Peru |
| 5720 | 52.45 | | 0,75 | Omdurman – Sudan |
| 5720 | 52.45 | | 25 | Magadan – U.S.S.R. |
| 5726 | 52.40 | HC1PM | 0,25 | Quito – Ecuador |
| 5750 | 52.18 | PZH5 | 0,35 | Paramaribo - Surinam |
| 5758 | 52.10 | YNJAT | 0,60 | Leon – Nicaragua |
| 5875 | 51.06 | HRN | 1 | Tegucigalpa – Rep. Hond. |
| 5880 | 51.00 | | 5 | Cape Town III – S. Afr. |
| 5880 | 51.00 | TIGPH | 1 | San José - Costa Rica |
| 5895 | 50.90 | OAX4Z | 15 | Lima – Peru |
| 5907 | 50.78 | OAX4V | 0,50 | Lima – Peru |
| 5925 | 50.66 | HRA1 | | Tegucigalpa - Rep. Honduras |
| 5922 | 50.66 | | 100 | Moscow – U.S.S.R. |
| 5925 | 50.78 | OAX4V | 7,5 | Lima – Peru |
| 5940 | 50.51 | | 25 | Khabarovsk – U.S.S.R. |
| 5942 | 50.49 | OX1 | 1 | Godthaab – Greenland |
| 5951 | 50.46 | 4V2S | 0,5 | Port au Prince – Haiti |
| 5957 | 50.36 | | 100 | Moscow – U.S.S.R. |
| 5957 | 50.36 | | 3 | Dieddah – Saudi Arabia |
| 5960 | 50.34 | HJCF | 0,75 | Bogota – Colombia |
| 5965 | 50.28 | OAX4S | 1 | Lima – Peru |
| 5970 | 50.26 | HVJ | 10 | Vatican City – Vaticane |
| 5970 | 50.25 | HI4T | 7,5 | Trujillo – Dominicana |
| 5970 | 50.25 | CBNX | 0,30 | St. Johns – Canada |
| 5970 | 50.26 | CP13 | 1 | La Paz – Bolivia |
| 5980 | 50.16 | | 20 | Kabul – Afghanistan |
| 5984 | 50.14 | OAX4P | 0,25 | Huancayo – Peru |
| 5985 | 50.13 | | 7 | Nanking – China |
| 5985 | 50.12 | LRS2 | 20 | Buenos Aires – Argentina |
| 5990 | 50.08 | HC6GV | 1 | Ambato – Ecuador |
| 5995 | 50.04 | | 25 | Andorra – Andorra |
| 5995 | 50.04 | HCJB | 1 | Quito – Ecuador |
| 6000 | 50.00 | | 0,50 | Innsbruck – Austria West |
| 6000 | 50.00 | YSWW | 1 | Santa Ana – El Salvador |
| 6000 | 50.00 | ZFY | 3 | Georgetown – Br. Guiana |
| 6000 | 50.00 | CR4AA | 0,5 | Praia – Cap Verde Islands |
| 6000 | 50.00 | DZH4 | 1 | Manila – Philippine Islands |
| 6000 | 50.00 | FK8AA | 0,30 | Noumea – New Caledonia |
| 6000 | 50.00 | PRK5 | 5 | Belo Horizonte – Rrazil |
| 6000 | 50.00 | CXA2 | 5 | Montevideo – Uruguay |
| 6000 | 50.00 | HJKD | 5 | Bogota – Colombia |
| 6000 | 50.00 | HI9B | 0,20 | Santiago – Dominicana |
| 6000 | 50.00 | | 100 | Moscow – U.S.S.R. |
| 6000 | 50.00 | TAN | 20 | Ankara I – Turkey |
| 6000 | 50.00 | | 20 | Damascus – Syria |
| 6000 | 50.00 | OAX2A | 0,75 | Trujillo – Peru |

## 49 METRE BAND.

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 6005 | 49.96 | HP5K | 0,25 | Colon – Panama |
| 6005 | 49.96 | CFCX | 0,08 | Montreal – Canada |
| 6005 | 49.96 | VE9AJ | 0,25 | Edmonton – Canada |
| 6005 | 49.95 | | 2,5 | Rabat – Fr. Morocco |
| 6010 | 49.92 | | 60 | Rome – Italy |
| 6010 | 49.92 | XEOJ | 2,5 | Mexico City – Mexico |
| 6010 | 49.92 | OLR2A | 30 | Prague – Czechoslovakia |
| 6010 | 49.92 | HS8PD | 1 | Bangkok – Siam |
| 6010 | 49.92 | CJCX | 1 | Sydney – Canada |
| 6010 | 49.92 | GRB | 50 | London – Gr. Britain |
| 6010 | 49.92 | VUD9 | 7,5 | Delhi – India |
| 6010 | 49.92 | VUD3 | 5 | Delhi – India |
| 6010 | 49.92 | CE601 | 1 | Antofagasta – Chile |
| 6010 | 49.92 | COCO | 5 | Havana – Cuba |
| 6011 | 49.91 | OAX4Q | 1 | Lima – Peru |
| 6015 | 49.88 | JKK | 5 | Yamata – Japan |
| 6015 | 49.88 | | 7,5 | Malta Garrison – Malta |
| 6016 | 49.87 | PRA8 | 25 | Recife – Brazil |
| 6018 | 49.85 | HJCX | 5 | Bogota – Colombia |
| 6018 | 49.85 | | 15 | Salisbury – S. Rhodesia |
| 6020 | 49.83 | XEUW | 0,25 | Vera Cruz – Mexico |
| 6020 | 49.83 | HROW | 1 | Tegucigalpa – Rep. Honduras |
| 6024 | 49.80 | FZI | 1,5 | Brazzaville – Fr. Equ. Afr. |
| 6025 | 49.79 | HC1IR | 0,50 | Quito – Ecuador |
| 6025 | 49.79 | | 10 | Kuala Lumpur – Malaya |
| 6025 | 49.79 | | 5 | Huizen – Holland |
| 6025 | 49.79 | HI1J | 0,10 | S. Pedro de Mac. – Domin. |
| 6025 | 49.79 | ELB1 | 0,5 | Monrovia – Liberia |
| 6030 | 49.75 | | | Moscow – U.S.S.R. |
| 6030 | 49.75 | OLR2B | 30 | Prague – Czechoslov. |
| 6030 | 49.75 | XEKW | 0,5 | Morelia – Mexico |
| 6030 | 49.75 | HP5B | 0,5 | Panama City – Panama |
| 6030 | 49.75 | CFVP | 0,10 | Calgary – Canada |
| 6030 | 49.75 | | 10 | Stuttgart – Germany A.Z. |
| 6030 | 49.75 | DZH6 | 1 | Manila - Philippine Islands |
| 6035 | 49.71 | CXA3O | 1 | Montevideo – Uruguay |
| 6035 | 49.71 | | 30 | Monte Carlo – Monaco |
| 6035 | 49.71 | OAX6B | 0,25 | Arequipa – Peru |
| 6035 | 49.71 | GWS | 50 | London – Gr. Britain |
| 6035 | 49.71 | | 7,5 | Rangoon – Burma |
| 6035 | 49.71 | | 0,5 | Noumea – New Caledonia |
| 6035 | 49.71 | | 0,3 | Lagos – Nigeria |
| 6040 | 49.67 | GSY | 50 | London – Gr. Britain |
| 6040 | 49.67 | WLWO7 | 200 | Bethany – U.S.A. |
| 6040 | 49.67 | KCBR2 | 50 | Delano – U.S.A. |
| 6040 | 49.67 | | | Moscow – U.S.S.R. |
| 6042 | 49.65 | OAX6A | 0,25 | Arequipa – Peru |
| 6044 | 49.64 | | | Moscow – U.S.S.R. |
| 6045 | 49.66 | XETW | 0,1 | Tampico – Mexico |
| 6045 | 49.63 | HO50 | 1 | Panama – Panama |
| 6045 | 49.63 | YDF2 | 100 | Djakarta – Java |
| 6049 | 49.60 | ZOY | 1,8 | Accra – Gold Coast Colony |
| 6050 | 49.59 | GSA | 50 | London – Gr. Britain |
| 6050 | 49.59 | HI1N | 0,70 | Trujillo – Dominicana |
| 6054 | 49.56 | HJEX | 2,5 | Cali – Colombia |
| 6055 | 49.55 | CXA14 | 5 | Montevideo – Uruguay |
| 6055 | 49.55 | HJFE | 5 | Pereira – Colombia |
| 6055 | 49.55 | LRS1 | 5 | Buenos Aires – Argentina |
| 6055 | 49.55 | PRB9 | | Sao Paulo – Brazil |
| 6057 | 49.53 | OAX2A | 0,50 | Lima – Peru |
| 6060 | 49.50 | | 5 | Moscow – U.S.S.R. |
| 6060 | 49.50 | | 50 | Tangier – Tangier |
| 6060 | 49.50 | GSX | 50 | London – Gr. Britain |
| 6060 | 49.50 | CKRZ | 50 | Sackville – Canada |
| 6060 | 49.50 | KRCA2 | 50 | Dixon – U.S.A. |
| 6060 | 49.50 | HORT | 1 | Panama City – Panama |
| 6060 | 49.50 | VQ7LO | 3 | Nairobi – Kenya |
| 6065 | 49.46 | SBO | 12 | Motala I – Sweden |
| 6065 | 49.46 | HC2FQ | 1 | Guayaquil – Ecuador |
| 6065 | 49.46 | VUM7 | 0,25 | Mysore – India |
| 6067 | 49.45 | EA9AH | 1 | Tetuan – Sp. Morocco |
| 6069 | 49.42 | HJDG | 0,50 | Quibdo – Colombia |
| 6070 | 49,42 | RQ5 | 0,25 | Tegucigalpa – Rep. Honduras |
| 6070 | 49.42 | YSW | 0,50 | Sau Salvador – El Salvador |
| 6070 | 49.42 | CFRX | 1 | Toronto – Canada |
| 6070 | 49.42 | GRR | 50 | London – Gr. Britain |
| 6070 | 49.42 | CP18 | 0,25 | Oruro – Bolivia |
| 6070 | 49.43 | HRQ5 | 0.25 | Tegucigalpa - Rep. Honduras |
| 6071 | 49.42 | HC1BF | 0,30 | Guayaquil – Ecuador |
| 6075 | 49.38 | CXA3 | 2,5 | Montevideo – Uruguay |
| 6075 | 49.38 | APL2 | 0,3 | Lahore 2 – Pakistan |
| 6075 | 49.38 | | 0,2 | Colombo – Ceylon |
| 6080 | 49.34 | WLWO | 75 | Masau – U.S.A. |
| 6080 | 49.34 | CKFX | 0,10 | Vancouver – Canada |
| 6080 | 49.34 | | 10 | Vladivostok – U.S.S.R. |
| 6080 | 49.34 | | 100 | Munich III – Germ. A. Z. |
| 6081 | 49.32 | | 3 | Tirana – Albania |
| 6085 | 49.30 | ZYK2 | 64 | Recife – Brazil |
| 6085 | 49.30 | VUM3 | 0,25 | Madras – India |
| 6087 | 49.28 | YNRG | 0,1 | Granada – Nicaragua |
| 6090 | 49.26 | GWM | 50 | London – Gr. Britain |
| 6090 | 49.26 | | 100 | Allouis – France |
| 6090 | 49.26 | | 100 | Moscow – U.S.S.R. |
| 6090 | 49.26 | CKOB | 50 | Sackville – Canada |
| 6090 | 49.26 | CBFW | 0,20 | Montreal – Canada |
| 6090 | 49.26 | | 5 | Luxembourg – Luxemb. |
| 6090 | 49.26 | VLI2 | 2 | Sydney – Australia |
| 6090 | 49.26 | | 1 | Pnompenh – Fr. Indochina |
| 6090 | 49.26 | LRY1 | 5 | Buenos Aires – Argentina |
| 6091 | 49.26 | OAX4G | 0,25 | Lima – Peru |
| 6092 | 49.25 | | 7 | Täbriz – Iran |
| 6095 | 49.22 | ZYB7 | 25 | Sao Paulo – Brazil |
| 6095 | 49.22 | | 1 | Johannesb. IV – S. Afr. |
| 6095 | 49.22 | OAX4H | 1 | Lima – Peru |
| 6095 | 49.22 | | 1 | Peiping – China |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 6100 | 49.18 | WLKS | 1 | Kure – Japan |
| 6100 | 49.18 | DYH3 | 0,25 | Cebu – Philippine Islands |
| 6100 | 49.18 | | 10 | Belgrade – Yugoslavia |
| 6101 | 49.18 | TGOA | 0,50 | Guatemala City – Guatem. |
| 6103 | 49.16 | HJFK | 2,5 | Pereira – Colombia |
| 6105 | 49.14 | HJFB | 4,5 | Manizales – Colombia |
| 6105 | 49.14 | ZYN6 | 5 | Fortaleza – Brazil |
| 6110 | 49.10 | GSL | 50 | London – Gr. Britain |
| 6110 | 49.10 | CP2 | 1 | La Paz – Bolivia |
| 6110 | 49.10 | DZI3 | 5 | Manila – Philippine Islands |
| 6110 | 49.10 | | 1 | R. International – Tangier |
| 6112 | 49.06 | HI1Z | 1 | Trujillo – Dominicana |
| 6115 | 49.06 | OLR2C | 30 | Prague – Czechoslov. |
| 6115 | 49.06 | | 0,25 | Omdurman – Sudan |
| 6115 | 49.06 | | 5 | Deutschlandsender – Germany |
| 6115 | 49.06 | HS8PD | 1 | Bangkok - Thailand |
| 6120 | 49.02 | OIX7 | 10 | Helsinki – Finland |
| 6120 | 49.02 | CP15 | 1 | La Paz – Bolivia |
| 6120 | 49.02 | KCBR2 | 50 | Delano – U.S.A. |
| 6120 | 49.02 | | 7,5 | Manila 3 – Philippine Islands |
| 6120 | 49.02 | LRX1 | 10 | Buenos Aires – Argentina |
| 6122 | 49.00 | HP5H | 0,5 | Panama City – Panama |
| 6123 | 49.00 | FG8A | 0,1 | Basse Terre – Guadeloupe |
| 6125 | 48.98 | HRQ | 1 | S. Pedro Sula – Honduras |
| 6125 | 48.98 | CXA4 | 10 | Montevideo – Uruguay |
| 6125 | 48.98 | GWA | 50 | London – Gr. Britain |
| 6128 | 48.96 | OAX7A | 0,25 | Cusco – Peru |
| 6130 | 48.94 | HI1G | 0,25 | Trujillo – Dominicana |
| 6130 | 48.94 | YSABC | 5 | S. Salvador – El Salvador |
| 6130 | 48.94 | HC2FB | 0,25 | Guayaquil – Ecuador |
| 6130 | 48.94 | XEUZ | 0,1 | Mexico City – Mexico |
| 6130 | 48.94 | | 7,5 | R. Free Europe – Germany |
| 6130 | 48.94 | | 100 | Moscow – U.S.S.R. |
| 6130 | 48.94 | CHNX | 0,5 | Halifax – Canada |
| 6130 | 48.94 | COCD | 1 | Havana – Cuba |
| 6130 | 48.94 | HI19 | 0,25 | Ciudad – Dominicana |
| 6135 | 48.90 | CP30 | 0,5 | Santa Cruz – Bolivia |
| 6135 | 48.90 | | 10 | Singapore – Malaya |
| 6135 | 48.90 | ZJM4 | 7.5 | Sharq al Adna – Cyprus' |
| 6137 | 48.88 | CR7AA | 7,5 | Lour. Marques – Mozamb. |
| 6140 | 48.86 | | 100 | Munich V – Germany (A. Z.) |
| 6140 | 48.86 | HOQQ | 0,25 | Panama City – Panama |
| 6140 | 48.86 | OAX8C | 0,3 | Iquitos – Peru |
| 6140 | 48.86 | | 7,5 | Malta Garrison – Malta |
| 6140 | 48.86 | DYH2 | 0,5 | Cebu – Philippine Islands |
| 6140 | 48.85 | | 10 | Belgrade – Yugoslavia |
| 6145 | 48.82 | | 100 | Allouis – France |
| 6145 | 48.82 | HJDE | 5 | Medellin – Colombia |
| 6150 | 48.78 | VLR2 | 5 | Melbourne – Australia |
| 6150 | 48.78 | CP12 | 0,25 | Sucre – Bolivia |
| 6150 | 48.78 | GRW | 50 | London – Gr. Britain |
| 6150 | 48.78 | CE615 | 5 | Valparaiso – Chile |
| 6150 | 48.78 | CKRO | 2 | Winnipeg – Canada |
| 6150 | 48.78 | TIRH | 0,25 | San José – Costa Rica |
| 6154 | 48.74 | CXA13 | 10 | Montevideo – Uruguay |
| 6155 | 48.74 | | 2 | Lisbon – Portugal |
| 6155 | 48.75 | PRL9 | 50 | Rio de Janeiro – Brazil |
| 6155 | 48.75 | XEEP | 1 | Mexico City – Mexico |
| 6155 | 48.74 | | 0,2 | Vienna III – Austria Ravag |
| 6155 | 48.74 | | 20 | Teheran – Iran |
| 6160 | 48.70 | HI1R | 0,2 | S. Christobal – Dominicana |
| 6160 | 48.70 | CR7CB | 7,5 | Lour. Marques – Mozamb. |
| 6160 | 48.70 | | 100 | Moscow – U.S.S.R. |
| 6160 | 48.70 | CHAC | 50 | Sackville – Canada |
| 6160 | 48.70 | CBRX | 0,15 | Vancouver – Canada |
| 6160 | 48.70 | HJKJ | 5 | Bogota – Colombia |
| 6160 | 48.70 | HI1R | 0,2 | S. Christobal – Dominicana |
| 6160 | 48.70 | | 10 | Munich – Germany |
| 6165 | 48.66 | | 12 | Saigon – Fr. Indochina |
| 6165 | 48.66 | 4VGM | 1 | Port au Prince – Haiti |
| 6165 | 48.66 | HER3 | 100 | Schwarzenb. – Switzerland |
| 6165 | 48.66 | GWK | 50 | London – Gr. Britain |
| 6165 | 48.66 | TILS | 2 | San Jose – Costa Rica |
| 6165 | 48.66 | HJWB | 1 | Bogota – Colombia |
| 6170 | 48.62 | OLR2D | 30 | Prague – Czechoslov. |
| 6170 | 48.62 | OAX4V | 0,2 | Arequipa – Peru |
| 6170 | 48.62 | | 100 | Munich I – Germany A. Z. |
| 6170 | 48.62 | DUH2 | 1 | Manila – Philippine Islands |
| 6170 | 48.62 | GSZ | 50 | London – Gr. Britain |
| 6170 | 48.62 | ZJM5 | 7,5 | Sharq al Adna – Cyprus |
| 6170 | 48.62 | OAX5E | 0,3 | Chincha – Peru |
| 6170 | 48.62 | OAX6G | 0,45 | Cerro de Pasco – Peru |
| 6170 | 48.62 | CXA21 | 1 | Montevideo – Uruguay |
| 6172 | 48.60 | FIQA | 1 | Tananarive – Madagascar |
| 6175 | 48.58 | | 7.5 | Singapore – Malaya |
| 6175 | 48.58 | YSHQ | 1 | San Miguel – El Salvador |
| 6175 | 48.58 | XEXA | 0.10 | Mexico City – Mexico |
| 6177 | 48.56 | | 7.5 | Athens – Greece |
| 6179 | 48.55 | | 10 | Ashkarabad – U. S. S. R. |
| 6180 | 48.54 | HC1FM | 1 | Ibarra – Ecuador |
| 6180 | 48.54 | YSMA | 0.5 | Santa Ana – El Salvador |
| 6180 | 48.54 | | 1 | Dalat – Indochina |
| 6180 | 48.54 | GRO | 50 | London– Gr. Britain |
| 6180 | 48.54 | LRM | 10 | Mendoza – Argentina |
| 6185 | 48.50 | LLI | 10 | Tromsø – Norway |
| 6185 | 48.50 | XECC | 0.05 | Puebla – Mexico |
| 6185 | 48.50 | KRCA1 | 50 | Dixon – U. S. A. |
| 6185 | 48.50 | KCBR1 | 200 | Delano – U. S. A. |
| 6185 | 48.50 | CP9 | 0.45 | La Paz – Bolivia |
| 6190 | 48.47 | HI9T | 0.1 | Puerto Plata – Dominicana |
| 6190 | 48.47 | | 1.5 | Frankfurt – Germany A. Z. |
| 6190 | 48.47 | | 1 | Hanoi – Fr. Indochina |
| 6190 | 48.47 | CP37 | 0.25 | Oruro – Bolivia |
| 6190 | 48.47 | | | Moscow – U. S. S. R. |
| 6190 | 48.47 | HVJ | 25 | Vatican City – Vaticane |
| 6190 | 48.47 | VUD2 | 10 | Delhi – India |
| 6190 | 48.47 | VUD7 | 100 | Delhi – India |
| 6190 | 48.47 | TGX1 | 0.10 | Guatemala City – Guatemala |
| 6195 | 48.43 | GRN | 50 | London – Gr. Britain |
| 6197 | 48.41 | OAX1B | 0.40 | Piura – Peru |
| 6200 | 48.39 | | 10 | Allouis – France |
| 6200 | 48.39 | | 0.3 | Jannina – Greece |
| 6200 | 48.39 | YSP | 1 | S. Salvador – El Salvador Rep. |
| 6200 | 48.39 | OAX4V | 0.25 | Lima – Peru |
| 6200 | 48.39 | HOB | 0.3 | Panama City – Panama Rep. |
| 6200 | 48.39 | HJCT | 10 | Bogota – Colombia |
| 6205 | 48.35 | YVQF | 1 | Ciudad Bolivar – Venezuela |
| 6210 | 48.31 | HC1AC | 0.50 | Quito – Ecuador |
| 6210 | 48.31 | | 5 | Bucarest – Rumania |
| 6220 | 48.23 | | 10 | Alma Ata – U. S. S. R. |
| 6220 | 48.23 | | 7.5 | Warsaw III – Poland |
| 6220 | 48.23 | CE622 | 5 | Santiago – Chile |
| 6225 | 48.19 | HJFB | 4.5 | Manizales – Colombia |
| 6230 | 48.16 | TGJA | 1 | Guatemala City – Guatemala |
| 6235 | 48.12 | HRD2 | 0.3 | La Ceiba – Honduras |
| 6240 | 48.09 | HJCF | 0.75 | Botoga – Colombia |
| 6248 | 48.02 | | 100 | Budapest – Hungary |
| 6250 | 48.00 | YSUA | 1 | S. Salvador – El Salvador |
| 6255 | 47.96 | TGRA | 0.15 | Guatemala City – Guatemala |
| 6265 | 47.88 | YSR | 1 | San Salvador – El Salvador |
| 6270 | 47.84 | HJWO | 5 | Bogota – Colombia |
| 6275 | 47.81 | ZPA1 | 2 | Asuncion – Paraguay |
| 6285 | 47.73 | TGTO | 0.20 | Guatemala City – Guatemala |
| 6295 | 47.66 | TGLA | 0.20 | Guatemala City – Guatemala |
| 6300 | 47.62 | YNAS | 0.1 | Managua – Nicaragua |
| 6300 | 47.61 | YSCP | 1 | San Salvador – El Salvador |
| 6307 | 47.50 | OAX4H | 1 | Lima – Peru |
| 6320 | 47.47 | | 1 | Baden-Baden – Germany F. Z. |
| 6322 | 47.46 | COCW | 1 | Havana – Cuba |
| 6327 | 47.43 | COCW | 1 | Havana – Cuba |
| 6330 | 47.39 | OAX4L | 1 | Lima – Peru |
| 6335 | 47.37 | OAX6E | 1 | Arequipa – Peru |
| 6335 | 47.35 | TGTA | 1 | Guatemala City – Guatemala |
| 6340 | 47.30 | | 0.25 | Athens – Greece |
| 6351 | 47.24 | HRP1 | 0.6 | S. Pedro Sula – Honduras |
| 6360 | 47.17 | | 10 | Lisbon – Azores |
| 6374 | 47.06 | | 10 | Lisbon – Portugal |
| 6400 | 46.86 | | 0.3 | Komotini – Greece |
| 6401 | 46.87 | TGQA | 0.4 | Quezaltenango – Guatemala |
| 6407 | 46.83 | 4VCM | 0.10 | Port au Prince – Haiti |
| 6410 | 46.80 | TG3 | 0.30 | Guatemala City – Guatemala |
| 6410 | 46.80 | HRLP | 0.6 | Tegucigalpa – Honduras |
| 6440 | 46.58 | TGWB | 1 | Guatemala City – Guatemala |
| 6450 | 46.51 | COCY | 1 | Havana – Cuba |
| 6450 | 46.51 | YNZZ | 0.40 | Managua – Nicaragua |
| 6480 | 46.30 | | 0.05 | Candia – Crete |
| 6497 | 46.19 | TGOA | 0.50 | Guatemala City – Guatemala |
| 6526 | 45.97 | OAX4B | 0.35 | Cerro de Pasco – Peru |
| 6550 | 45.80 | YNHB | 0.4 | Managua – Nicaragua |
| 6564 | 45.70 | OAX4C | 0.20 | Lima – Peru |
| 6570 | 45.66 | HC2VP | 0.20 | Quito – Ecuador |
| 6620 | 45.32 | TG2 | 1 | Guatemala City – Guatemala |
| 6625 | 45.32 | COCQ | 1 | Havana – Cuba |
| 6660 | 45.05 | TGZA | 0.25 | Guatemala City – Guatemala |
| 6660 | 45.05 | 4VCM | 0.10 | Port au Prince – Haiti |
| 6672 | 44.97 | HBQ | 20 | Geneva – Switzerland |
| 6675 | 44.95 | HROW | 3 | Tegucigalpa – Rep. Honduras |
| 6700 | 44.78 | TIEP | 2 | San Jose – Costa Rica |
| 6700 | 44.78 | | 100 | Moscow – U. S. S. R. |
| 6701 | 44.78 | OAX1A | 0.25 | Chiclayo – Peru |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 6710 | 44.64 | YNAC | 0.22 | Managua – Nicaragua |
| 6745 | 44.50 | | 0.3 | Larissa – Greece |
| 6760 | 44.38 | YNVP | 0.2 | Managua – Nicaragua |
| 6790 | 44.18 | ZJ6M | 7.5 | Sharq al Adna – Cyprus |
| 6818 | 44.00 | | 0.4 | Isfahan – Iran |
| 6825 | 43.96 | | 10 | Tashkent – U. S. S. R. |
| 6830 | 43.89 | 4XB31 | 50 | Tel Aviv – Israel |
| 6845 | 43.83 | | 0.075 | Shiraz – Iran |
| 6850 | 43.81 | YOW | 0.6 | Managua – Nicaragua |
| 6853 | 43.60 | HC2CA | 0.20 | Quito – Ecuador |
| 6860 | 43.73 | TGRB | 0.15 | Guatemala City – Guatemala |
| 6870 | 43.67 | HC4EB | 1 | Manabi – Ecuador |
| 6899 | 43.49 | TGBC | 0.10 | Guatemala City – Guatemala |
| 6917 | 43.37 | FZK6 | 1.20 | Dakar – Senegal |
| 6950 | 43.17 | YNEQ | 0.20 | Managua – Nicaragua |
| | | **41 METRE BAND.** | | |
| 6980 | 42.98 | FO8AA | 0.8 | Papeete – Tahiti |
| 6993 | 42.90 | CQM7 | 1 | Bissau – Port. Guinea |
| 7000 | 42.86 | FZI | 0.80 | Brazzaville – Fr. Eq. Africa |
| 7006 | 42.83 | FET1 | 0.5 | Valladolid – Spain |
| 7012 | 42.77 | | 2 | Malaga – Spain |
| 7010 | 42.80 | | 0.3 | Tripolis – Greece |
| 7018 | 42.75 | | 10 | Lisbon – Portugal |
| 7030 | 42.67 | | 0.05 | Makromissos – Greece |
| 7037 | 42.63 | | 0.10 | R. Mediterraneo – Spain |
| 7049 | 42.56 | | 10 | Lisbon – Portugal |
| 7058 | 42.49 | | 0.5 | Salonica – Greece |
| 7062 | 42.48 | | 1 | Baghdad – Iraq |
| 7075 | 42.40 | | 1 | Ramallah – Transjordan |
| 7075 | 42.40 | GRS | 50 | London – Gr. Britain |
| 7092 | 42.30 | | 0.50 | Baghdad – Iraq |
| 7100 | 42.25 | | 1 | Harbin – China |
| 7100 | 42.25 | | | Moscow – U. S. S. R. |
| 7100 | 42.25 | YDJ2 | 1 | Jogjakarta – Java |
| 7101 | 42.24 | | 1 | Radio Africa – Tangier |
| 7105 | 42.22 | HS8PD | 1 | Bangkok – Siam |
| 7120 | 42.13 | GRM | 50 | London – Gr. Britain |
| 7120 | 42.13 | | 0.05 | Chania – Crete |
| 7125 | 42.10 | VQ6MI | 1 | Hargeisa – Br. Somaliland |
| 7130 | 42.08 | CR6RN | 1 | Luanda – Angola |
| 7140 | 42.02 | APD2 | 7.5 | Dacca 2 – Pakistan |
| 7145 | 41.99 | | 20 | Damascus – Syria |
| 7150 | 41.96 | OQ2AB | 0.25 | Elisabethville – Belg. Congo |
| 7150 | 41.96 | GRT | 50 | London – Gr. Britain |
| 7150 | 41.96 | | 5 | Deutschlandsender – Germ. S. Z. |
| 7150 | 41.96 | | 10 | Erivan – U. S. S. R. |
| 7151 | 41.96 | BED7 | 10 | Taipeh – Taiwan |
| 7152 | 41.95 | CR6RD | 1 | Nova Lisboa – Angola |
| 7165 | 41.88 | | 100 | Moscow – U. S. S. R. |
| 7165 | 41.87 | CR6RE | 0.10 | Malange – Angola |
| 7170 | 41.84 | | 1 | Rangoon – Burma |
| 7170 | 41.84 | | 0.05 | St. Denis – Reunion |
| 7171 | 41.84 | | 1 | Madrid SEU – Spain |
| 7177 | 41.80 | CR6AA | 1 | Lobito – Angola |
| 7180 | 41.78 | CR4AB | 0.03 | St. Vincent – Cap Verde Island |
| 7185 | 41.75 | GRK | 50 | London – Gr. Britain |
| 7199 | 41.68 | CR7IB | 0.30 | Beira – Mozambique |
| 7200 | 41.67 | OQ2AC | 0.25 | Elisabethville – Belg. Congo |
| 7200 | 41.67 | | 10 | Singapore – Malaya |
| 7200 | 41.67 | | 100 | Moscow – U. S. S. R. |
| 7200 | 41.67 | GWZ | 50 | London – Gr. Britain |
| 7205 | 41.64 | | 7.5 | Warsaw III – Poland |
| 7205 | 41.64 | | 1 | Hué – Indochina |
| 7210 | 41.61 | VUC2 | 10 | Calcutta – India |
| 7210 | 41.61 | VUC3 | 0.25 | Calcutta – India |
| 7210 | 41.61 | VUD10 | 20 | Delhi – India |
| 7210 | 41.61 | LLS | 10 | Tromsø – Norway |
| 7210 | 41.61 | GWL | 50 | London – Gr. Britain |
| 7214 | 41.58 | | 50 | Tangier – Tangier |
| 7215 | 41.58 | | 100 | Moscow – U. S. S. R. |
| 7215 | 41.58 | YSI | 0.10 | S. Salvador – El Salvador |
| 7220 | 41.55 | ZQP | 2.5 | Lusaka – North Rhodesia |
| 7220 | 41.55 | | 50 | Moscow – U. S. S. R. |
| 7220 | 41.55 | | 7.5 | Malta Garrison – Malta |
| 7222 | 41.54 | BED9 | 10 | Taiwan – China |
| 7222 | 41.54 | | 5 | Tientsin – China |
| 7225 | 41.52 | | 50 | Moscow – U. S. S. R. |
| 7225 | 41.52 | VUD10 | 20 | Delhi – India |
| 7230 | 41.49 | | 1 | Johannesburg – South Africa |
| 7230 | 41.49 | GSW | 50 | London – Gr. Britain |
| 7230 | 41.50 | FET22 | 0.25 | Oviedo – Spain |
| 7235 | 41.47 | | 100 | Moscow – U. S. S. R. |
| 7240 | 41.44 | TAM | 20 | Ankara I – Turkey |
| 7240 | 41.44 | | 100 | Allouis – France |
| 7240 | 41.44 | LIR | 10 | Tromsö – Norway |
| 7240 | 41.44 | VLC8 | 50 | Shepparton – Australia |
| 7240 | 41.44 | VUD10 | 20 | Delhi – India |
| 7240 | 41.44 | YDL | 7.5 | Padang – Sumatra |
| 7240 | 41.44 | VUB2 | 10 | Bombay – India |
| 7240 | 41.44 | VUB3 | 0.25 | Bombay – India |
| 7244 | 41.42 | HC4FA | 0.20 | Portoviejo – Ecuador |
| 7245 | 41.41 | | 0.3 | Vienna IV – Austria Ravag. |
| 7250 | 41.38 | | 100 | Munich IV – Germ. Am. Zone |
| 7250 | 41.38 | GWI | 50 | London – Gr. Britain |
| 7250 | 41.38 | PJC2 | 3 | Willemstad – Curacao |
| 7255 | 41.36 | | 1 | Lagos – Nigeria |
| 7255 | 41.36 | | 5 | Cape Town – South Africa |
| 7257 | 41.34 | JKH | 5 | Yamata – Japan |
| 7260 | 41.32 | GSU | 50 | London – Gr. Britain |
| 7260 | 41.32 | VUD5 | 100 | Delhi – India |
| 7260 | 41.32 | VUM2 | 10 | Madras – India |
| 7260 | 41.32 | VUM3 | 0.25 | Madras – India |
| 7260 | 41.32 | OZF | 50 | Copenhagen – Denmark |
| 7263 | 41.30 | | 1 | Saigon – Indochina |
| 7265 | 41.29 | | 50 | Moscow – U. S. S. R. |
| 7270 | 41.27 | YDB3 | 3 | Djakarta – Java |
| 7270 | 41.27 | YSO | 1 | S. Salvador – El Salvador |
| 7270 | 41.27 | | 7.5 | Malta Garrison – Malta |
| 7270 | 41.27 | | 100 | Moscow – U. S. S. R. |
| 7275 | 41.26 | | 5 | Johannesburg – South Africa |
| 7275 | 41.24 | VUD9 | 7.5 | Delhi – India |
| 7275 | 41.24 | VUD8 | 7.5 | Delhi – India |
| 7280 | 41.21 | VLT5 | 2 | Port Moresby – Australia |
| 7280 | 41.21 | GWN | 50 | London – Gr. Britain |
| 7280 | 41.21 | VLC8 | 50 | Shepparton – Australia |
| 7280 | 41.21 | VLA | 100 | Shepparton – Australia |
| 7280 | 41.21 | | 100 | Allouis – France |
| 7280 | 41.21 | HVJ | 25 | Vatican City – Vaticane |
| 7283 | 41.20 | | 0.2 | Valencia – Spain |
| 7285 | 41.18 | JKJ | 5 | Nazaki – Japan |
| 7285 | 41.18 | TAS | 100 | Ankara II – Turkey |
| 7287 | 41.17 | | 1 | Douala – Cameroon |
| 7290 | 41.15 | | 20 | Osterloog – Germany NWDR. |
| 7290 | 41.15 | VUD2 | 10 | Delhi – India |
| 7290 | 41.15 | VUD8 | 7.5 | Delhi – India |
| 7290 | 41.15 | | 15 | Salisbury – South Rhodesia |
| 7295 | 41.12 | YDI3 | 0.3 | Soerabaia – Java |
| 7295 | 41.12 | | 100 | Moscow – U. S. S. R. |
| 7295 | 41.12 | | 5 | Johannesburg – South Africa |
| 7298 | 41.10 | | 0.1 | Changchow – China |
| 7299 | 41.10 | CR6RC | 1 | Luanda – Angola |
| 7300 | 41.09 | FO8AA | 0.8 | Papeete – Tahiti |
| 7300 | 41.09 | | 7.5 | Athens – Greece |
| 7310 | 41.04 | | 50 | Moscow – U. S. S. R. |
| 7312 | 41.03 | YNRL | 0.15 | Granada – Nicaragua |
| 7320 | 40.98 | GRJ | 50 | London – Gr. Britain |
| 7330 | 40.93 | | | Moscow – U. S. S. R. |
| 7340 | 40.87 | | | Moscow – U. S. S. R. |
| 7340 | 40.87 | V3USE | 1.5 | Forest Side – Mauritius |
| 7350 | 40.81 | HC2AM | 0.3 | Guayaquil – Ecuador |
| 7350 | 40.80 | | 25 | Monte Carlo – Monaco |
| 7360 | 40.76 | YNAO | 0.2 | Masaya – Nicaragua |
| 7360 | 40.76 | | 100 | Moscow – U. S. S. R. |
| 7370 | 40.72 | | 1 | Mandalay – Burma |
| 7375 | 40.70 | FIQA | 0.25 | Tananarive – Madagascar |
| 7380 | 40.65 | | 1 | Madrid – Spain |
| 7385 | 40.62 | | 1 | Sanaa – Yemen |
| 7400 | 40.54 | | 5 | Tangier – Tangier |
| 7400 | 40.54 | YVKC | 1 | Caracas – Venezuela |
| 7400 | 40.54 | YNXA | 0.1 | Masaya – Nicaragua |
| 7430 | 40.39 | | 25 | Stalinabad – U. S. S. R. |
| 7430 | 40.39 | | 3 | Korca – Albania |
| 7447 | 40.29 | FG8HA | 0.05 | Basse Terre – Guadeloupe |
| 7460 | 40.21 | YNTZ | 0.1 | Masaya – Nicaragua |
| 7462 | 40.20 | TGDA | 0.05 | Guatemala City – Guatemala |
| 7472 | 40.15 | HC5AB | 0.25 | Riobamba – Ecuador |
| 7500 | 40.00 | | 10 | Peiping – China |
| 7500 | 40.00 | YNFT | 0.2 | Granada – Nicaragua |
| 7518 | 39.90 | | 0.5 | Tenerife – Canary Islands |
| 7550 | 39.74 | FET | 0.1 | Minorca – Spain |
| 7582 | 39.56 | CR6RO | 1 | Silvo Porto – Angola |
| 7611 | 39.50 | | | Moscow – U. S. S. R. |
| 7620 | 39.37 | YNAM | 0.5 | Managua – Nicaragua |
| 7625 | 39.34 | YNLAT | 0.40 | Granada – Nicaragua |
| 7640 | 39.27 | YSUN | 1 | San Salvador – El Salvador |
| 7650 | 39.21 | | 0.25 | Cavalla – Greece |
| 7660 | 39.16 | YNDG | 1 | Leon – Nicaragua |
| 7670 | 39.11 | | 5 | Sofia III – Bulgaria |
| 7700 | 38.96 | HC1GP | 0.25 | Quito – Ecuador |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 7775 | 38.57 | CR6RM | 0.6 | Mocamedes – Angola |
| 7784 | 38.54 | | 15 | Pyongyang – Korea |
| 7790 | 38.52 | | 100 | Moscow – U. S. S. R. |
| 7853 | 38.22 | | 3 | Tirana – Albania |
| 7867 | 38.13 | SUX | 10 | Cairo – Egypt |
| 7935 | 37.81 | HLKA | 5 | Seoul – Korea |
| 7940 | 37.78 | FET | 0.75 | Alicante – Spain |
| 7950 | 37.74 | FIA6 | 0.60 | Douala – Fr. Cameron |
| 7950 | 37.74 | | 0.2 | Kozani – Greece |
| 7960 | 37.69 | HLKA | 5 | Seoul – Korea |
| 7960 | 37.69 | | 0.20 | Shiras – Iran |
| 8007 | 37.46 | YNMC | 0.10 | Jinotepe – Nicaragua |
| 8007 | 37.46 | | 0.075 | Meshed – Iran |
| 8036 | 37.34 | | 2.5 | Beirut – Lebanon |
| 8100 | 37.00 | TGBA | 1 | Suchitepéquez – Guatemala |
| 8170 | 36.72 | HXB24 | 7.5 | Haifa – Israel |
| 8170 | 36.72 | YNXV | 0.1 | Managua – Nicaragua |
| 8215 | 36.52 | | 3 | Shkodra – Albania |
| 8230 | 36.45 | ZNB | 0.2 | Mafeking – Bechuanaland |
| 8242 | 36.40 | CR6RG | 0.30 | Dundo – Angola |
| 8264 | 36.30 | | 3 | Shkodra – Albania |
| 8266 | 36.30 | VED | 5 | Edmonton – Canada |
| 8400 | 35.71 | HTXI | 0.25 | Managua – Nicaragua |
| 8440 | 35.55 | YNCHA | 0.10 | Diriamba – Nicaragua |
| 8663 | 34.63 | COJK | 1 | Camagüey – Cuba |
| 8760 | 34.24 | | 50 | Moscow – U. S. S. R. |
| 8810 | 34.04 | WMK28 | 50 | New York – U. S. A. |
| 8825 | 33.92 | COCQ | 1 | Havana – Cuba |
| 8850 | 34.10 | | 200 | Fernando Poo – Guinea (Spanish) |
| 8910 | 33.67 | | 100 | Moscow – U. S. S. R. |
| 8955 | 33.50 | COKG | 1.20 | Santiago – Cuba |
| 8990 | 33.37 | HRXW | 0.25 | Comayagüela – R. Honduras |
| 9009 | 33.30 | HXB21 | 50 | Tel Aviv – Israel |
| 9026 | 33.24 | COBZ | 1 | Havana – Cuba |
| 9030 | 33.22 | COBZ | 1 | Havana – Cuba |
| 9040 | 33.19 | | 10 | Peiping – China |
| 9045 | 33.16 | HRA | 0.75 | Tegucigalpa – Honduras |
| 9045 | 33.16 | | 100 | Moscow – U. S. S. R. |
| 9053 | 33.14 | FZP8 | 24 | Papeete – Tahiti |
| 9054 | 33.10 | | 4 | Bucarest – Rumania |
| 9110 | 32.93 | ZRB | 5 | Pretoria – South Africa |
| 9149 | 32.79 | YNWW | 0.4 | Granada – Nicaragua |
| 9150 | 32.79 | FIA6 | 0.60 | Douala – French Cameroon |
| 9165 | 32.73 | CR6RB | 0.15 | Benguela – Angola |
| 9200 | 32.61 | HC2CT | 0.25 | Guayaquil – Ecuador |
| 9210 | 32.57 | OQ2RC | 15 | Leopoldville – Belg. Congo |
| 9210 | 32.57 | OTH | 15 | Leopoldville – Belg. Congo |
| 9235 | 32.49 | COBQ | 1 | Havana – Cuba |
| 9235 | 32.49 | CR6RH | 0.10 | Sa da Bendeira – Angola |
| 9250 | 32.43 | YSF | 1 | San Salvador – El Salvador |
| 9250 | 32.43 | CR6RD | 1 | Nova Lisboa – Angola |
| 9252 | 32.43 | | 4 | R. Dacia Romana – Rumania |
| 9254 | 32.40 | | 1 | Macau – Port. China |
| 9273 | 32.33 | COCX | 1 | Havana – Cuba |
| 9290 | 32.28 | PRN9 | 5 | Rio de Janeiro – Brazil |
| 9315 | 32.21 | LRS | 10 | Buenos Aires – Argentina |
| 9330 | 32.15 | | 25 | Radio Andorra – Andorra |
| 9330 | 32.15 | OAX4J | 1 | Lima – Peru |
| 9355 | 32.05 | HC1BS | 0.25 | Quito – Ecuador |
| 9360 | 32.05 | OAX4W | 1.60 | Lima – Peru |
| 9362 | 32.05 | | 0.10 | Chin Cha Chi – China |
| 9362 | 32.05 | COBC | 1 | Havana – Cuba |
| 9368 | 32.02 | | 40 | Madrid – Spain |
| 9378 | 31.99 | | 25 | Khabarovsk – U. S. S. R. |
| 9410 | 31.88 | GRI | 50 | London – Gr. Britain |
| 9420 | 31.84 | CP24 | 0,50 | Sucre – Bolivia |
| 9435 | 31.80 | | 100 | Moscow – U.S.S.R. |
| 9437 | 31.80 | COCH | 1 | Havana – Cuba |
| 9440 | 31,78 | FZI | 7 | Brazzaville – Fr. Eq. Afr. |
| 9455 | 31.75 | LRY | 40 | Buenos Aires – Argentina |
| 9465 | 31.70 | TAP | 20 | Ankara I – Turkey |
| 9470 | 31.68 | CR6RL | 1 | Luanda – Angola |
| 9480 | 31.65 | | 25 | Vladivostok – U.S.S.R. |
| 9480 | 31.65 | | 100 | Moscow – U.S.S.R. |
| 9490 | 31.61 | YSA | 1 | Santa Ana – El Salvador |
| 9490 | 31.61 | | 15 | Salisbury – S. Rhodesia |
| 9500 | 31.58 | OAX6H | 0,25 | Tacna – Peru |
| 9500 | 31.58 | VLI3 | 2 | Sydney – Australia |
| 9500 | 31.58 | DZH3 | 1 | Manila – Philippine Islands |
| 9500 | 31.58 | CP24 | 0,50 | Sucre – Bolivia |
| 9500 | 31.58 | OAX5C | 0,30 | Ica – Peru |
| 9500 | 31.58 | PRL7 | 5 | Rio de Janeiro – Brazil |
| 9500 | 31.58 | | 100 | Moscow – U.S.S.R. |
| 9500 | 31.58 | XEWW | 10 | Mexico City – Mexico |
| 9504 | 31.57 | OLR3B | 30 | Prague – Czechoslov. |
| 9505 | 31.56 | CP38 | 1 | La Paz – Bolivia |
| 9505 | 31.56 | | 10 | Belgrade – Yugoslavia |
| 9505 | 31.56 | JBD | 7,5 | Kawachi – Japan |
| 9505 | 31.56 | HOLA | 1 | Colon – Panama |
| 9510 | 31.55 | GSB | 50 | London – Gr. Britain |
| 9515 | 31.53 | TAT | 100 | Ankara II – Turkey |
| 9515 | 31.53 | KRCA1 | 50 | Dixon – U.S.A. |
| 9515 | 31.53 | KCBR1 | 200 | Delano – U.S.A. |
| 9515 | 31.53 | FIQA | 1 | Tananarive – Madagascar |
| 9520 | 31.51 | CBFR | 1 | Vercheres – Canada |
| 9520 | 31.51 | | 7.5/100 | Colombo – Ceylon |
| 9520 | 31.51 | OZF | 50 | Herstedvester – Denmark |
| 9520 | 31.51 | HJKF | 5 | Bogota – Columbia |
| 9523 | 31.51 | | 5 | Johannesburg III – S. Afr. |
| 9525 | 31.50 | HI2L | 0,5 | Trujillo – Dominicana |
| 9525 | 31.50 | GWJ | 50 | London – Gr. Britain |
| 9525 | 31.49 | ZBW3 | 2 | Hong-Kong – Hong-Kong |
| 9528 | 31.49 | | 7,5 | Warsaw III – Poland |
| 9530 | 31.48 | | 50 | Manila – Philippine Islands |
| 9530 | 31.48 | | | Moscow – U.S.S.R. |
| 9530 | 31.48 | VUC2 | 10 | Calcutta – India |
| 9530 | 31.48 | VUC3 | 0,25 | Calcutta – India |
| 9530 | 31.48 | WGEO1 | 100 | Schenectady – U.S.A. |
| 9535 | 31.46 | SBU | 12 | Motala – Sweden |
| 9535 | 31.46 | COCO5 | 31.46 | Havana – Cuba |
| 9535 | 31.46 | HDR4 | 100 | Schwarzenbourg - Switzerland |
| 9540 | 31.45 | VLB | 100 | Shepparton – Australia |
| 9540 | 31.45 | VLG2 | 10 | Lyndhurst – Australia |
| 9540 | 31.45 | VLC5 | 50 | Shepparton – Australia |
| 9540 | 31.45 | VLR | 5 | Melbourne – Australia |
| 9540 | 31.45 | COBQ | 1 | Havana – Cuba |
| 9540 | 31.45 | | 100 | Munich II/III – Germ. (A. Z.) |
| 9540 | 31.45 | | 100 | Moscow – U.S.S.R. |
| 9540 | 31.45 | YSLL | 1 | San Salvador – El Salvador |
| 9540 | 31.45 | | 7,5 | Rangoon – Burma |
| 9540 | 31.45 | ZL2 | 7,5 | Wellington – New Zealand |
| 9540 | 31.45 | LKJ | 10 | Tromsø – Norway |
| 9540 | 31.45 | VE9AJ | 0,25 | Edmonton – Canada |
| 9545 | 31.43 | XEFT | 0,25 | Vera Cruz – Mexico |
| 9545 | 31.43 | OAX4K | 0,5 | Lima – Peru |
| 9550 | 31.41 | YDQ | 8 | Makassar – Celebes |
| 9550 | 31.41 | VUB2 | 10 | Bombay – India |
| 9550 | 31.41 | VUB3 | 0,25 | Bombay – India |
| 9550 | 31.41 | | 100 | Allouis – France |
| 9550 | 31.41 | OLR3A | 30 | Prague – Czechoslov. |
| 9550 | 31.41 | WRCA4 | 50 | Bound Brooke – U.S.A. |
| 9550 | 31.41 | GWB | 50 | London – Gr. Britain |
| 9550 | 31.41 | DZI2 | 1 | Rizal – Philippine Islands |
| 9555 | 31.40 | OIX2 | 15 | Pori – Finland |
| 9555 | 31.40 | XETT | 0,5 | Mexico City – Mexico |
| 9560 | 31.38 | OAX5C | 0,30 | Ica – Peru |
| 9560 | 31.38 | | 50 | Tangier – Tangier |
| 9560 | 31.38 | JBD2 | 5 | Kawachi – Japan |
| 9560 | 31.38 | | 100 | Allouis – France |
| 9562 | 31.37 | OAX4T | 1 | Lima – Peru |
| 9563 | 31.37 | | 0,2 | Vienna – Austria RWR |
| 9565 | 31.36 | | | Moscow – U.S.S.R. |
| 9565 | 31.36 | VUD7 | 100 | Delhi – India |
| 9565 | 31.36 | ZYK3 | 64 | Recife – Brazil |
| 9570 | 31.35 | WRUL4 | 20 | Scituate – U.S.A. |
| 9570 | 31.35 | KWID2 | 50 | San Francisco – U.S.A. |
| 9570 | 31.35 | KWID1 | 100 | San Francisco – U.S.A. |
| 9570 | 31.35 | GWX | 50 | London – Gr. Britain |
| 9570 | 31.35 | YNV | 2 | Managua – Nicaragua |
| 9570 | 31.34 | OC1 | 10 | Algiers – Algeria |
| 9570 | 31.35 | CP21 | 0,35 | Sucre – Bolivia |
| 9580 | 31.32 | VLG | 10 | Lyndhurst – Australia |
| 9580 | 31.32 | VLA11 | 100 | Shepparton – Australia |
| 9580 | 31.32 | VLB9 | 100 | Shepparton – Australia |
| 9580 | 31.32 | GSC | 50 | London – Gr. Britain |
| 9580 | 31.32 | VLH3 | 10 | Melbourne – Australia |
| 9590 | 31.28 | HI2G | 0,25 | Trujillo – Dominicana (Rep) |
| 9590 | 31.28 | | 35 | Huizen I – Holland |
| 9590 | 31.28 | VUD7 | 5 | Delhi – India |
| 9590 | 31.28 | VUD3 | 5 | Delhi – India |
| 9590 | 31.28 | VUM2 | 10 | Madras – India |
| 9590 | 31.28 | VUM3 | 0.25 | Madras - India |
| 9600 | 31.25 | KRCA3 | 200 | Dixon – U.S.A. |
| 9600 | 31.25 | | 50 | Moscow – U.S.S.R. |
| 9600 | 31.25 | | 20 | Kabul – Afghanistan |
| 9600 | 31.25 | XEYU | 0.25 | Mexico City – Mexico |
| 9600 | 31.25 | CE960 | 1 | Santiago – Chile |
| 9600 | 31.26 | | 5 | Johannesburg – S. Africa |
| 9600 | 31.25 | GRY | 50 | London – Gr. Britain |
| 9600 | 31.25 | HJKY | 5 | Bogota – Columbia |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 9605 | 31.24 | PRB9 | 5 | Sao Paulo – Brazil |
| 9605 | 31.24 | JKL2 | 5 | Yamata – Japan |
| 9607 | 31.23 | HP5J | 0,5 | Panama City – Panama |
| 9607 | 31.23 | | 7,5 | Athens – Greece |
| 9610 | 31.22 | XERQ | 5 | Mexico City – Mexico |
| 9610 | 31.22 | CHLS | 50 | Sackville – Canada |
| 9610 | 31.22 | CBFX | 7,5 | Vercheres – Canada |
| 9610 | 31.22 | | 50 | Moscow – U.S.S.R. |
| 9610 | 31.22 | VLX3 | 10 | Perth – Australia |
| 9610 | 31.22 | LLG | 10 | Frederiksstad – Norway |
| 9610 | 31.22 | ZYC8 | 25 | Rio de Janeiro – Brazil |
| 9610 | 31.22 | | 5 | Cape Town – S. Africa |
| 9610 | 31.22 | CR8A | 1 | Goa – Port. India |
| 9610 | 31.22 | VLW5 | 2 | Perth – Australia |
| 9615 | 31.20 | CR5SA | 1 | Sao Tomé – Port. W. Africa |
| 9615 | 31.20 | DUH4 | 0,3 | Manila – Philippine Islands |
| 9615 | 31.20 | VLA2 | 100 | Shepparton – Australia |
| 9615 | 31.20 | VLB9 | 100 | Shepparton – Australia |
| 9615 | 31.20 | VLC6 | 50 | Shepparton – Australia |
| 9615 | 31.20 | | 7.5/100 | Colombo – Ceylon |
| 9615 | 31.20 | KRCA1 | 50 | Dixon – U. S. A. |
| 9615 | 31.20 | WRCA1 | 50 | Bound Brooke – U. S. A. |
| 9617 | 31.20 | | 0.35 | Salzburg BDN – Austria (U.S.Z.) |
| 9620 | 31.20 | TIPG | 3 | San Jose - Costa Rica |
| 9620 | 31.19 | VUD5 | 100 | Delhi – India |
| 9620 | 31.19 | CXA6 | 20 | Montevideo – Uruguay |
| 9620 | 31.19 | | 1 | Addis Ababa – Ethiopia |
| 9620 | 31.19 | ZL8 | 7.5 | Wellington – New Zealand |
| 9620 | 31.19 | | 100 | Allouis – France |
| 9625 | 31.17 | VP4RD | 0.5 | Port of Spain – Trinidad |
| 9625 | 31.17 | GWO | 50 | London – Gr. Britain |
| 9625 | 31.17 | XEBT | 10 | Mexico City – Mexico |
| 9630 | 31.15 | CKLO | 50 | Sackville – Canada |
| 9630 | 31.15 | CBFO | 7.5 | Vercheres – Canada |
| 9630 | 31.15 | | 50 | Busto Arsizio - Italy |
| 9630 | 31.15 | VLT7 | 2 | Port Moresby – Australia |
| 9630 | 31.15 | VUD2 | 10 | Delhi – India |
| 9630 | 31.15 | VUD11 | 20 | Delhi – India |
| 9630 | 31.15 | VUD10 | 20 | Delhi – India |
| 9630 | 31.15 | VUD3 | 5 | Delhi – India |
| 9630 | 31.15 | VUD4 | 10 | Delhi – India |
| 9630 | 31.15 | HJCB | 5 | Bogota – Colombia |
| 9640 | 31.12 | COX4 | 5 | Havana – Cuba |
| 9640 | 31.12 | DZH2 | 1 | Manila – Philippine Islands |
| 9640 | 31.12 | CXA8 | 3 | Colonia – Uruguay |
| 9640 | 31.12 | GVZ | 50 | London – Gr. Britain |
| 9640 | 31.12 | LRY | 10 | Buenos Aires – Argentina |
| 9640 | 31.12 | YVKC | 10 | Caracas – Venezuela |
| 9645 | 31.10 | TIFC | 0.3 | San José – Costa Rica |
| 9645 | 31.10 | APK2 | 50 | Karachi 2 – Pakistan |
| 9646 | 31.10 | HVI | 25 | Vatican City – Vaticane |
| 9650 | 31.09 | ZJM8 | 7,5 | Sharq al Adna – Cyprus |
| 9650 | 31.09 | HOJA | 0.3 | Chitre – Panama |
| 9650 | 31.09 | | 3 | Djeddah – Saudi Arabia |
| 9650 | 31.09 | VLB2 | 100 | Shepparton – Australia |
| 9650 | 31.09 | KRCA2 | 50 | Dixon – U. S. A. |
| 9650 | 31.09 | HOJA | 0.3 | Chitre – Panama |
| 9650 | 31.09 | | 100 | Honolulu – Hawaii |
| 9650 | 31.09 | WABC1 | 50 | New York – U. S. A. |
| 9655 | 31.07 | JKI2 | 5 | Nazaki – Japan |
| 9655 | 31.07 | | 0.3 | Lagos – Nigeria |
| 9660 | 31.06 | 4VBM | 2 | Port-au-Prince - Haiti |
| 9660 | 31.06 | HOXC | 7.5 | Panama City – Panama |
| 9660 | 31.06 | LRX | 25 | Buenos Aires – Argentina |
| 9660 | 31.06 | GWP | 50 | London – Gr. Britain |
| 9660 | 31.06 | VLQ3 | 10 | Brisbane – Australia |
| 9660 | 31.06 | VUD2 | 10 | Delhi – India |
| 9660 | 31.06 | VUD8 | 7.5 | Delhi – India |
| 9660 | 31.06 | VUD9 | 7.5 | Delhi – India |
| 9660 | 31.06 | VUD10 | 20 | Delhi – India |
| 9660 | 31.06 | HVJ | 25 | Vatican City – Vaticane |
| 9660 | 31.06 | | 100 | Moscow – U. S. S. R. |
| 9665 | 31.04 | | 0.3 | Vienna I Ravag – Austria |
| 9665 | 31.03 | HEU3 | 100 | Schwarzenbourg - Switzerland. |
| 9668 | 31.03 | HJAI | 5 | Cartagena – Colombia |
| 9670 | 31.02 | WABC6 | 50 | New York – U. S. A. |
| 9670 | 31.02 | KGEI1 | 50 | Belmont – U. S. A. |
| 9670 | 31.02 | COCQ | 1 | Havana – Cuba |
| 9670 | 31.02 | | 1 | Saigon – Indochina |
| 9670 | 31.02 | WRCA6 | 50 | Bound Brooke – U. S. A. |
| 9670 | 31.02 | WRCA3 | 50 | Bound Brooke – U. S. A. |
| 9670 | 31.02 | WRCA1 | 50 | Bound Brooke – U. S. A. |
| 9670 | 31.02 | VUD9 | 7.5 | Delhi – India |
| 9670 | 31.02 | VUD3 | 5 | Delhi – India |
| 9670 | 31.02 | OLR3C | 30 | Prague – Czechoslovakia |
| 9670 | 31.02 | | 50 | Lisbon – Portugal |
| 9670 | 31.02 | COCQ | 1 | Havana – Cuba |
| 9670 | 31.02 | | 100 | Moscow – U. S. S. R. |
| 9671 | 31.02 | CR7BE | 12 | Laurenco Marques – Moz. |
| 9675 | 31.01 | GWT | 50 | London – Gr. Britain |
| 9680 | 30.99 | | 50 | Tangier – Tangier |
| 9680 | 30.99 | VLA3 | 100 | Shepparton – Australia |
| 9680 | 30.99 | VUD11 | 20 | Delhi – India |
| 9680 | 30.99 | VUD3 | 5 | Delhi – India |
| 9680 | 30.99 | VUD8 | 7.5 | Delhi – India |
| 9680 | 30.99 | VUD9 | 7.5 | Delhi – India |
| 9680 | 30.99 | EQC | 20 | Teheran – Iran |
| 9680 | 30.99 | VLG8 | 10 | Lyndhurst – Australia |
| 9680 | 30.99 | VLC2 | 50 | Shepparton – Australia |
| 9680 | 30.99 | VLB2 | 100 | Shepparton – Australia |
| 9680 | 30.99 | HI2A | 1 | Santiago – Dominican |
| 9680 | 30.99 | | 100 | Allouis – France |
| 9680 | 30.99 | XEQQ | 1 | Mexico City – Mexico |
| 9690 | 30.96 | | 50 | Moscow – U. S. S. R. |
| 9690 | 30.96 | | 7.5 | Singapore – Malya |
| 9690 | 30.96 | GRX | 50 | London – Gr. Britain |
| 9690 | 30.96 | LRA1 | 20 | Buenos Aires – Argentina |
| 9690 | 30.96 | DZH5 | 0.25 | Manila – Philippine Islands |
| 9693 | 30.95 | FIQA | 0.25 | Tannanarive – Madagascar |
| 9695 | 30.94 | JKM2 | 5 | Kawachi – Japan |
| 9700 | 30.93 | FNRI | 2.5 | Fort de France – Martinique |
| 9700 | 30.93 | GWY | 50 | London – Gr. Britain |
| 9700 | 30.93 | CE970 | 1 | Santiago – Chile |
| 9700 | 30.93 | KRCA2 | 50 | Dixon – U. S. A. |
| 9700 | 30.93 | KCBR3 | 50 | Delano – U. S. A. |
| 9700 | 30.93 | WLW08 | 200 | Bethany – U. S. A. |
| 9710 | 30.90 | | 100 | Moscow – U. S. S. R. |
| 9715 | 30.88 | | 10 | Singapore – Malaya |
| 9720 | 30.86 | | 50 | Moscow – U. S. S. R. |
| 9720 | 30.86 | PRL7 | 50 | Rio de Janeiro – Brazil |
| 9727 | 30.84 | HI2T | 7.5 | Trujillo – Dominican |
| 9730 | 30.83 | DZH7 | 3 | Manila - Philippine Islands |
| 9730 | 30.83 | | 5 | Nanking – China |
| 9730 | 30.83 | | 12 | Leipzig – Germany (S. Z.) |
| 9735 | 30.82 | ZPA4 | 1 | Asuncion – Paraguay |
| 9740 | 30.80 | | 100 | Moscow – U. S. S. R. |
| 9740 | 30.80 | COCQ | 1 | Havana – Cuba |
| 9742 | 30.80 | CR6RN | 1 | Luanda – Angola |
| 9746 | 30.78 | | 50 | Lisbon – Portugal |
| 9747 | 30.78 | | 6.5 | Omdurman – Sudan |
| 9750 | 30.77 | | 50 | Leningrad – U. S. S. R. |
| 9755 | 30.76 | CR6RS | 1 | Sa-da-Bandeira – Angola |
| 9760 | 30.74 | TGWA | 10 | Guatemala City – Guatemala |
| 9760 | 30.74 | | 100 | Moscow – U. S. S. R. |
| 9766 | 30.72 | CR7BJ | 7.5 | Lourenco Marques – Mozamb. |
| 9767 | 30.71 | OTC2 | 50 | Leopoldville – Belg. Congo |
| 9770 | 30.70 | PRL4 | 1 | Rio de Janeiro – Brazil |
| 9780 | 30.67 | | 100 | Moscow – U. S. S. R. |
| 9785 | 30.65 | | 50 | Moscow – U. S. S. R. |
| 9785 | 30.65 | | 30 | Monte Carlo – Monaco |
| 9790 | 30.62 | | | Moscow – U. S. S. R. |
| 9790 | 30.62 | HSP3 | 1 | Bangkok – Siam |
| 9800 | 30.61 | | 100 | Moscow – U. S. S. R. |
| 9800 | 30.61 | OTC6 | 50 | Leopoldville – Belg. Congo |
| 9825 | 30.52 | GRH | 50 | London – Gr. Britain |
| 9825 | 30.52 | | 7.5/100 | Colombo – Ceylon |
| 9830 | 30.52 | | 25 | Alma Ata – U. S. S. R. |
| 9833 | 30.51 | | 100 | Budapest – Hungary |
| 9833 | 30.51 | COBL | 1 | Havana – Cuba |
| 9836 | 30.51 | | 50 | Leningrad – U. S. S. R. |
| 9870 | 30.40 | | 1 | Johannesburg IV – South Africa |
| 9880 | 30.36 | | 100 | Moscow – U. S. S. R. |
| 9884 | 30.35 | 4VEH | 0.7 | Cap. Haitien – Haiti |
| 9886 | 30.35 | CP49 | 0.5 | La Paz – Bolivia |
| 9890 | 30.33 | HJAP | 0.75 | Cartagena – Colombia |
| 9915 | 30.26 | GRU | 50 | London – Gr. Britain |
| 9958 | 30.12 | HCJB | 1 | Quito – Ecuador |
| 9964 | 30.10 | FZIj | 1.5 | Brazzaville – Fr. Equ. Africa |
| 10000 | 30.00 | | 0.05 | Chania – Crete |
| 10000 | 30.00 | WWVH | 0.4 | Maui – Hawaii |
| 10055 | 29.83 | SUX | 10 | Cairo – Egypt |
| 10205 | 29.40 | 4VRW | 1.4 | Port au Prince – Haitii |
| 10260 | 29.25 | | 10 | Peiping – China |
| 10600 | 28.30 | ZIK2 | 0.2 | Belize – British Honduras |
| 10780 | 27.83 | SDB2 | 12 | Motala – Sweden |
| 11027 | 27.21 | | 50 | Atlantico – Portugal |
| 11035 | 27.19 | CR6RA | 0.4 | Luanda – Angola |
| 11040 | 27.17 | | 50 | Lisbon – Portugal |
| 11090 | 27.05 | | 1 | Ponta Delgada – Azores |
| 11560 | 25.96 | | 50 | Moscow – U. S. S. R. |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 11570 | 25.93 | APK3 | 50 | Karachi 3 – Pakistan |
| 11600 | 26.70 | | 200 | Fernando Poo – Guinea (Spanish) |
| 11630 | 25.80 | | | Moscow – U. S. S. R. |
| 11630 | 25.79 | | 50 | Kiev – U. S. S. R. |
| 11630 | 25.79 | | 50 | Leningrad – U. S. S. R. |
| 11645 | 25.76 | OTH | 50 | Leopoldville – Belg. Congo |
| 11650 | 25.75 | COCX | 1 | Havana – Cuba |
| 11680 | 25.68 | GRG | 50 | London – Gr. Britain |
| 11680 | 25.68 | HJCQ | 3 | Bogota – Colombia |
| 11685 | 25.67 | HVJ | 25 | Vatican City – Vaticane |
| 11690 | 25.66 | | 10 | Peking – China |
| 11700 | 25.64 | | 100 | Allouis – France |
| 11700 | 25.64 | GVW | 50 | London – Gr. Britain |
| 11700 | 25.64 | HP5A | 0.5 | Panama City – Panama |
| 11705 | 25.63 | WLWO7 | 200 | Bethany – U. S. A. |
| 11705 | 25.63 | CKXA | 50 | Sackville – Canada |
| 11705 | 25.63 | CBFY | 7.5 | Vercheres – Canada |
| 11705 | 25.63 | SBP | 12 | Motala – Sweden |
| 11710 | 25.62 | VLG3 | 10 | Lyndhurst – Australia |
| 11710 | 25.62 | WLWO7 | 200 | Bethany – U. S. A. |
| 11710 | 25.62 | WLWO5 | 200 | Bethany – U. S. A. |
| 11710 | 25.62 | | 7.5 | Malta Garrison – Malta |
| 11710 | 25.62 | | 100 | Moscow – U. S. S. R. |
| 11710 | 25.62 | VUD7 | 100 | Delhi – India |
| 11710 | 25.62 | VUD5 | 100 | Delhi – India |
| 11715 | 25.61 | HEI5 | 25 | Schwarzenbourg - Switzerland |
| 11720 | 25.60 | HSP5 | 1 | Bangkok – Siam |
| 11720 | 25.60 | | 50 | Moscow – U. S. S. R. |
| 11720 | 25.60 | CHOL | 50 | Sackville – Canada |
| 11720 | 25.60 | CKRX | 2 | Winnipeg – Canada |
| 11720 | 25.60 | CBFL | 7.5 | Vercheres – Canada |
| 11720 | 25.60 | ZJM7 | 7.5 | Sharq al Adna – Cyprus |
| 11720 | 25.60 | PRL8 | 50 | Rio de Janeiro – Brazil |
| 11730 | 25.58 | OQ2AA | 0.25 | Leopoldville – Belg. Congo |
| 11730 | 25.58 | KGEI2 | 100 | Belmont – U. S. A. |
| 11730 | 25.57 | | 40 | Lopik – Holland |
| 11730 | 25.58 | CR6RC | 1 | Luanda – Angola |
| 11730 | 25.58 | GVV | 50 | London – Gr. Britain |
| 11735 | 25.56 | LKQ | 10/100 | Frederikstad – Norway |
| 11735 | 25.56 | CXA7 | 5 | Montevideo – Uruguay |
| 11740 | 25.55 | VLB10 | 100 | Shepparton – Australia |
| 11740 | 25.55 | CE1174 | 5 | Santiago – Chile |
| 11740 | 25.55 | COCY | 1 | Havana – Cuba |
| 11740 | 25.55 | HVJ | 25 | Vatican City – Vaticane |
| 11740 | 25.55 | | 100 | Moscow – U. S. S. R. |
| 11750 | 25.53 | | 3 | Djeddah – Saudi Arabia |
| 11750 | 25.53 | GSD | 50 | London – Gr. Britain |
| 11760 | 25.51 | TAK | 20 | Ankara I – Turkey |
| 11760 | 25.51 | VLB3 | 100 | Shepparton – Australia |
| 11760 | 25 51 | VLA8 | 100 | Shepparton – Australia |
| 11760 | 25 51 | VLC3 | 50 | Shepparton – Australia |
| 11760 | 25.51 | VLG10 | 10 | Lyndhurst – Australia |
| 11760 | 25.51 | CKRA | 50 | Sackville – Canada |
| 11760 | 25.51 | CBFA | 7.5 | Vercheres – Canada |
| 11760 | 25.51 | OLR4B | 30 | Prague – Czechoslovakia |
| 11760 | 25.51 | VUD7 | 100 | Delhi – India |
| 11760 | 25.51 | VUD10 | 20 | Delhi – India |
| 11760 | 25.51 | | 1.5 | Athlone – Eire |
| 11764 | 25.50 | CR7AA | 7.5 | Lourenco Marques – Mozam. |
| 11765 | 25.50 | | | Moscow – U. S. S. R. |
| 11765 | 25.50 | ZYB8 | 25 | Sao Paulo – Brazil |
| 11765 | 25.50 | HC1FL | 0.5 | Quito – Ecuador |
| 11770 | 25.49 | WRCA2 | 50 | Bound Brooke – U. S. A. |
| 11770 | 25.49 | WRCA3 | 50 | Bound Brooke – U. S. A. |
| 11770 | 25.49 | WRCA5 | 50 | Bound Brooke – U. S. A. |
| 11770 | 25.49 | KCBR1 | 200 | Delano – U. S. A. |
| 11770 | 25.49 | VLA4 | 100 | Shepparton – Autralia |
| 11770 | 25.49 | VLB3 | 100 | Shepparton – Australia |
| 11770 | 25.49 | | 7.5/100 | Colombo – Ceylon |
| 11770 | 25.49 | YDE | 3 | Djakarta – Java |
| 11770 | 25.49 | WNRA | 50 | New York – U. S. A. |
| 11770 | 25.49 | GVU | 50 | London – Gr. Britain |
| 11780 | 25.47 | | 100 | Moscow – U. S. S. R. |
| 11780 | 25.47 | YNV | 2 | Managua – Nicaragua |
| 11780 | 25.47 | | 12 | Saigon – French. Indochina |
| 11780 | 25.47 | ZL3 | 7.5 | Wellington – New Zealand |
| 11785 | 25.45 | | 0.2 | Vienna II – Austria Ravag |
| 11785 | 25.45 | YDF2 | 100 | Djakarta – Java |
| 11790 | 25.45 | | 50 | Manila - Philippine Islands |
| 11790 | 25.45 | | | Moscow – U. S. S. R. |
| 11790 | 25.45 | | 50 | Tangier – Tangier |
| 11790 | 25.45 | WRUL1 | 50 | Scituate – U. S. A. |
| 11790 | 25.45 | WRUL3 | 50 | Scituate – U. S. A. |
| 11790 | 25.45 | WRUL4 | 20 | Scituate – U. A. S. |
| 11790 | 25.45 | KRCA2 | 50 | Dixon – U. S. A. |
| 11790 | 25.45 | | 100 | Honolulu – Hawaii |
| 11790 | 25.45 | GWV | 50 | London – Gr. Britain |
| 11790 | 25.45 | VUD11 | 20 | Delhi – India |
| 11790 | 25.45 | VUD7 | 100 | Delhi – India |
| 11790 | 25.45 | VUD3 | 5 | Delhi – India |
| 11790 | 25.45 | VUD9 | 7.5 | Delhi – India |
| 11790 | 25.45 | VUD5 | 100 | Delhi – India |
| 11800 | 25.42 | | 20 | Kabul – Afghanistan |
| 11800 | 25.42 | BED4 | 10 | Taipeh – Taiwan |
| 11800 | 25.42 | | 100 | Moscow – U. S. S. R. |
| 11800 | 25.42 | GWH | 50 | London – Gr. Britain |
| 11800 | 25.42 | COBH | 1 | Havana – Cuba |
| 11810 | 25.40 | HOXB | 7.5 | Panama City – Panama |
| 11810 | 25.40 | KCBR3 | 50 | Delano – U. S. A. |
| 11810 | 25.40 | | 50 | Busto Arsizio – Italy |
| 11810 | 25.40 | VLA8 | 100 | Shepparton – Australia |
| 11810 | 25.40 | VLC7 | 50 | Shepparton – Australia |
| 11810 | 25.40 | VLB4 | 100 | Shepparton – Australia |
| 11820 | 25.38 | XEBR | 0.5 | Hermosillo – Mexico |
| 11820 | 25.38 | GSN | 50 | London – Gr. Britain |
| 11825 | 25.37 | ZYK3 | 64 | Recife – Brazil |
| 11830 | 25.36 | VUD | 7.5 | Delhi – India |
| 11830 | 25.36 | VUD7 | 100 | Delhi – India |
| 11830 | 25.36 | VUD3 | 5 | Delhi – India |
| 11830 | 25.36 | VUD4 | 10 | Delhi – India |
| 11830 | 25.36 | | 100 | Moscow – U. S. S. R. |
| 11830 | 25.36 | VLW3 | 2 | Perth – Australia |
| 11830 | 25.36 | WGEO2 | 50 | Schenectady – U. S. A. |
| 11830 | 25.36 | KRCA3 | 200 | Dixon – U. S. A. |
| 11835 | 25.35 | CXA19 | 5 | Montevideo – Uruguay |
| 11840 | 25.35 | VLG4 | 10 | Lyndhurst – Australia |
| 11840 | 25.35 | VLC7 | 50 | Shepparton – Australia |
| 11840 | 25.34 | OLR4A | 30 | Prague – Czechoslovakia |
| 11840 | 25.34 | DUH5 | 0.3 | Manila – Philippine Islands |
| 11840 | 25.34 | LRT | 5 | Tucuman – Argentina |
| 11840 | 25.34 | GWQ | 50 | London – Gr. Britain |
| 11840 | 25.34 | | | Moscow – U. S. S. R. |
| 11845 | 25.32 | | 100 | Allouis – France |
| 11850 | 25.32 | LLK | 10 | Frederikstad – Norway |
| 11850 | 25.32 | VUD4 | 10 | Delhi – India |
| 11850 | 25.32 | VUD7 | 100 | Delhi – India |
| 11850 | 25.32 | VUD11 | 20 | Delhi – India |
| 11850 | 25.32 | HJCT | 2.5 | Bogota – Colombia |
| 11850 | 25.32 | VLA4 | 100 | Shepparton – Australia |
| 11850 | 25.32 | VLG4 | 100 | Shepparton – Australia |
| 11850 | 25.32 | ZPA3 | 1.2 | Asuncion – Paraguay |
| 11860 | 25.30 | GSE | 50 | London – Gr. Britain |
| 11860 | 25.30 | KWID2 | 50 | San Francisco – U. S. A. |
| 11865 | 25.28 | HER5 | 100 | Schwarzenbourg - Switzerland |
| 11870 | 25.27 | | 100 | Munich I – Germany (A. Z.) |
| 11870 | 25.27 | VUD8 | 7.5 | Delhi – India |
| 11870 | 25.27 | VUD7 | 100 | Delhi – India |
| 11870 | 25.27 | VLC3 | 50 | Shepparton – Australia |
| 11870 | 25.27 | WGEO2 | 50 | Schenectady – U. S. A. |
| 11870 | 25.27 | WBOS | 50 | Hull – U. S. A. |
| 11875 | 25.26 | | 100 | Moscow – U. S. S. R. |
| 11875 | 25.26 | OLR4C | 30 | Prague – Czechoslovakia |
| 11880 | 25.25 | TAO | 100 | Ankara II – Turkey |
| 11880 | 25.25 | XEHH | 1 | Mexico City – Mexico |
| 11880 | 25.25 | | 7.5 | Singapore – Malaya |
| 11880 | 25.25 | VLA8 | 100 | Shepparton – Australia |
| 11880 | 25.25 | VLB10 | 100 | Shepparton – Australia |
| 11880 | 25.25 | VLH4 | 10 | Melbourne – Australia |
| 11880 | 25.25 | LRS | 10 | Buenos Aires – Argentina |
| 11885 | 25.25 | VLG5 | 10 | Lyndhurst – Australia |
| 11885 | 25.24 | | 100 | Allouis – France |
| 11885 | 25.24 | APK3 | 50 | Karachi – Pakistan |
| 11890 | 25.23 | | 100 | Moscow – U. S. S. R. |
| 11890 | 25.23 | VUD7 | 100 | Delhi – India |
| 11890 | 25.23 | | 50 | Manila 1 – Philippine Islands |
| 11890 | 25.23 | WRCA1 | 50 | Bound Brooke – U. S. A. |
| 11890 | 25.23 | WRCA3 | 50 | Bound Brooke – U. S. A. |
| 11890 | 25.23 | WRCA6 | 50 | Bound Brooke – U. S. A. |
| 11890 | 25.23 | KRCA1 | 50 | Dixon – U. S. A. |
| 11890 | 25.23 | GWW | 50 | London – Gr. Britain |
| 11895 | 25.22 | FHE3 | 12 | Dakar – Senegal |
| 11895 | 25.22 | | 7.5 | Malta Garrison – Malta |
| 11900 | 25.21 | KWID1 | 100 | San Francisco – U. S. A. |
| 11900 | 25.21 | CKEX | 50 | Sackville – Canada |
| 11900 | 25.21 | VLG9 | 10 | Lyndhurst – Australia |
| 11900 | 25.21 | | 0.075 | Bucarest – Rumania |
| 11900 | 25.21 | CXA10 | 20 | Montevideo – Uruguay |
| 11900 | 25.21 | OQ2AB | 0 .25 | Elisabethville – Belg. Congo |
| 11900 | 25.21 | OLR4B | 30 | Prague – Czechoslovakia |
| 11900 | 25.21 | | 100 | Moscow – U. S. S. R. |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 11900 | 25.21 | CE1190 | 1 | Valparaiso – Chile |
| 11905 | 25.20 | | 60 | Rome – Italy |
| 11910 | 25.18 | | 1 | Bangkok – Thailand |
| 11910 | 25.18 | | 100 | Budapest – Hungary |
| 11915 | 25.17 | LRA1 | 20 | Buenos Aires – Argentina |
| 11918 | 25.17 | | 100 | Moscow – U. S. S. R. |
| 11920 | 25.17 | | 50 | Lisbon – Portugal |
| 11925 | 25.16 | CR6RD | 1 | Nova Lisboa – Angola |
| 11930 | 25.15 | GVX | 50 | London – Gr. Britain |
| 11940 | 25.13 | | 50 | Lisbon – Portugal |
| 11945 | 25.12 | ZPA5 | 2.5 | Asuncion – Paraguay |
| 11950 | 25.10 | | 3 | Djeddah – Saudi Arabia |
| 11950 | 25.10 | PRL5 | 10 | Rio de Janeiro – Brazil |
| 11950 | 25.10 | | 100 | Moscow – U. S. S. R. |
| 11955 | 25.09 | GVY | 50 | London – Gr. Britain |
| 11960 | 25.08 | HS8PD | 1 | Bangkok – Thailand |
| 11960 | 25.08 | | 100 | Moscow – U. S. S. R. |
| 11970 | 25.06 | FZI | 50 | Brazzaville – French Equ. Africa |
| 11995 | 25.01 | | 50 | Lisbon – Portugal |
| 12000 | 25.00 | CE1180 | 1 | Santiago – Chile |
| 12000 | 25.00 | | 20 | Damascus – Syria |
| 12020 | 24.96 | | 100 | Moscow – U. S. S. R. |
| 12040 | 24.92 | GRV | 50 | London – Gr. Britain |
| 12059 | 24.88 | | 100 | Moscow – U. S. S. R. |
| 12080 | 24.83 | FZP8 | 0.6 | Papeete – Tahiti |
| 12095 | 24.80 | GRF | 50 | London – Gr. Britain |
| 12175 | 24.64 | TFJ | 7 | Reykjavik – Iceland |
| 12270 | 24.45 | | 100 | Moscow – U. S. S. R. |
| 12455 | 24.10 | HCJB | 10 | Quito – Ecuador |
| 12749 | 23.53 | | 10 | Lisbon – Portugal |
| 12805 | 23.43 | HC2FW | 0.5 | Guyaquil – Ecuador |
| 15000 | 19.50 | | 6.5 | Omdurman – Sudan |
| 15000 | 19.50 | WWVH | 0.4 | Maui – Hawaii |
| 15040 | 19.95 | | 100 | Moscow – U. S. S. R. |
| 15048 | 19.95 | | 5 | Tangier – Tangier |
| 15060 | 19.92 | | 10 | Peiping – China |
| 15070 | 19.91 | GWC | 50 | London – Gr. Britain |
| 15075 | 19.90 | V3USE | 1.5 | Forest Side – Mauritius |
| 15090 | 19.88 | CBLX | 7.5 | Vercheres – Canada |
| 15090 | 19.88 | CKLX | 50 | Sackville – Canada |
| 15095 | 19.87 | HVJ | 25 | Vatican City – Vaticane |
| 15100 | 19.87 | | 50 | Lisbon – Portugal |
| 15100 | 19.87 | | | Moscow – U. S. S. R. |
| 15100 | 19.87 | HOXA | 7.5 | Panama City – Panama |
| 15100 | 19.87 | | 100 | Allouis – France |
| 15100 | 19.87 | EPB | 20 | Teheran - Iran |
| 15105 | 19.86 | KGEII | 50 | Belmont - U. S. A. |
| 15110 | 19.85 | GWG | 50 | London – Gr. Britain |
| 15115 | 19.85 | HCJB | 1 | Quito – Ecuador |
| 15120 | 19.84 | | 50 | Busto Arsizio – Italy |
| 15120 | 19.84 | | 7.5/100 | Colombo – Ceylon |
| 15120 | 19.84 | HVJ | 10 | Vatican City – Vaticane |
| 15125 | 19.83 | | 7.5 | Malta Garrison – Malta |
| 15130 | 19.83 | WABC4 | 50 | New York – U. S. A. |
| 15130 | 19.83 | WABC5 | 50 | New York – U. S. A. |
| 15130 | 19.83 | KCBR1 | 200 | Delano – U. S. A. |
| 15130 | 19.83 | KRCA1 | 50 | Dixon – U. S. A. |
| 15130 | 19.83 | KRCA2 | 50 | Dixon – U. S. A. |
| 15130 | 19.83 | | 100 | Honolulu – Hawaii |
| 15130 | 19.83 | VUD11 | 20 | Delhi – India |
| 15140 | 19.82 | GSF | 50 | London – Gr. Britain |
| 15140 | 19.82 | | 100 | Moscow – U. S. S. R. |
| 15145 | 19.81 | ZYK2 | 64 | Recife – Brazil |
| 15150 | 19.80 | WRCA1 | 50 | Bound Brooke – U. S. A. |
| 15150 | 19.80 | WRCA6 | 50 | Bound Brooke – U. S. A. |
| 15150 | 19.80 | KCBR2 | 50 | Delano – U. S. A. |
| 15150 | 19.80 | KCBR3 | 50 | Delano – U. S. A. |
| 15150 | 19.80 | | 50 | Lisbon – Portugal |
| 15150 | 19.80 | ZYB9 | 25 | Sao Paulo – Brazil |
| 15150 | 19.80 | YDC | 3 | Djakarta – Java |
| 15155 | 19.80 | SBT | 12 | Motala – Sweden |
| 15160 | 19.79 | TAU | 100 | Ankara II – Turkey |
| 15160 | 19.79 | VLB11 | 100 | Shepparton – Australia |
| 15160 | 19.79 | VLG7 | 10 | Lyndhurst – Australia |
| 15160 | 19.79 | VUD5 | 100 | Delhi – India |
| 15160 | 19.79 | VUD7 | 100 | Delhi – India |
| 15160 | 19.79 | VUD3 | 5 | Delhi – India |
| 15160 | 19.79 | VUD10 | 20 | Delhi – India |
| 15160 | 19.79 | OLR5C | 30 | Prague - Czechoslovakia |
| 15165 | 19.78 | OZH2 | 50 | Herstedvester – Denmark |
| 15165 | 19.77 | ZYN7 | 5 | Fortaleza – Brazil |
| 15170 | 19.78 | LKV | 10/100 | Frederikstad – Norway |
| 15170 | 19.78 | VUD10 | 20 | Delhi – India |
| 15170 | 19.78 | VUD5 | 100 | Delhi – India |
| 15170 | 19.78 | TGWA | 10 | Guatemala City – Guatemala |
| 15170 | 19.78 | | 100 | Moscow – U. S. S. R. |
| 15170 | 19.77 | OQ2AA | 0.25 | Leopoldville – Belg. Congo |
| 15180 | 19.76 | GSO | 50 | London – Gr. Britain |
| 15190 | 19.75 | CKCX | 50 | Sackville – Canada |
| 15190 | 19.75 | PRK9 | 5 | Belo Horisonte - Brazil |
| 15190 | 19.75 | CBFZ | 7.5 | Vercheres – Canada |
| 15190 | 19.75 | VUD11 | 20 | Delhi – India |
| 15190 | 19.75 | OIX4 | 100 | Pori – Finland |
| 15195 | 19.74 | TAQ | 20 | Ankara I – Turkey |
| 15200 | 19.74 | WLWO1 | 75 | Masau – U. S. A. |
| 15200 | 19.74 | VLC | 50 | Shepparton – Australia |
| 15200 | 19.74 | VLG11 | 10 | Lyndhurst – Australia |
| 15200 | 19.74 | VLB6 | 100 | Shepparton – Australia |
| 15200 | 19.74 | VLA6 | 100 | Shepparton – Australia |
| 15210 | 19.72 | VLC11 | 50 | Shepparton – Australia |
| 15210 | 19.72 | VLG11 | 10 | Lyndhurst – Australia |
| 15210 | 19.72 | | 50 | Tangier – Tangier |
| 15210 | 19.72 | GWU | 50 | London – Gr. Britain |
| 15210 | 19.72 | VUD5 | 100 | Delhi – India |
| 15210 | 19.72 | VUD11 | 20 | Delhi – India |
| 15210 | 19.72 | WBOS | 50 | Hull – U. S. A. |
| 15210 | 19.72 | WRCA1 | 50 | Bound Brooke – U. S. A. |
| 15210 | 19.72 | WRCA6 | 50 | Bound Brooke – U. S. A. |
| 15210 | 19.72 | WLWO1 | 75 | Masau – U. S. A. |
| 15210 | 19.72 | KCBR3 | 50 | Delano – U. S. A. |
| 15210 | 19.72 | KGEI1 | 50 | Belmont – U. S. A. |
| 15210 | 19.72 | | 100 | Moscow – U. S. S. R. |
| 15220 | 19.71 | | 35 | Huizen – Holland |
| 15220 | 19.71 | VLC11 | 50 | Shepparton – Australia |
| 15220 | 19.71 | VLA6 | 100 | Shepparton – Australia |
| 15220 | 19.71 | ZL10 | 7.5 | Wellington – New Zealand |
| 15225 | 19.70 | JBD3 | 7.5 | Kawachi – Japan |
| 15230 | 19.70 | VLG6 | 10 | Lyndhurst – Australia |
| 15230 | 19.70 | VLA5 | 100 | Shepparton – Australia |
| 15230 | 19.70 | OLR5A | 30 | Prague – Czechoslovakia |
| 15230 | 19.70 | GWD | 50 | London – Gr. Britain |
| 15230 | 19.70 | | 7.5/100 | Colombo – Ceylon |
| 15230 | 19.70 | | 100 | Moscow – U. S. S. R. |
| 15230 | 19.70 | VLH5 | 10 | Melbourne – Australia |
| 15235 | 19.69 | BED3 | 10 | Taipeh – Taiwan |
| 15235 | 19.69 | JBD4 | 5 | Kawachi – Japan |
| 15240 | 19.69 | | 50 | Tangier – Tangier |
| 15240 | 19.69 | VLG6 | 10 | Lyndhurst – Australia |
| 15240 | 19.68 | | 100 | Allouis – France |
| 15240 | 19.69 | WLWO5 | 200 | Bethany – U. S. A. |
| 15240 | 19.69 | KRCA3 | 200 | Dixon – U. S. A. |
| 15250 | 19.67 | | 50 | Tangier - Tangier |
| 15250 | 19.67 | WLWO5 | 200 | Bethany – U. S. A. |
| 15250 | 19.67 | KRCA3 | 200 | Dixon – U. S. A. |
| 15250 | 19.67 | | 50 | Manila 2 – Philippine Islands |
| 15250 | 19.67 | | 100 | Honolulu - Hawaii |
| 15250 | 19.67 | | 7.5 | Malta Garrison – Malta |
| 15260 | 19.66 | GSI | 50 | London – Gr. Britain |
| 15270 | 19.65 | APK3 | 50 | Karachi 3 – Pakistan |
| 15270 | 19.65 | | 100 | Moscow – U. S. S. R. |
| 15270 | 19.65 | WABC2 | 50 | New York – U. S. A. |
| 15280 | 19.63 | | 50 | Tangier – Tangier |
| 15280 | 19.63 | | 100 | Munich I – Germany (A. Z.) |
| 15280 | 19.63 | ZL4 | 7.5 | Wellington – New Zealand |
| 15280 | 19.63 | | 100 | Moscow – U. S. S. R. |
| 15285 | 19.63 | WBOS | 50 | Hull – U. S. A. |
| 15285 | 19.63 | WRCA4 | 50 | Bound Brooke – U. S. A. |
| 15290 | 19.62 | VUD5 | 100 | Delhi – India |
| 15290 | 19.62 | VUD9 | 7.5 | Delhi – India |
| 15290 | 19.62 | VUD3 | 5 | Delhi – India |
| 15290 | 19.62 | LRU | 25 | Buenos Aires – Argentina |
| 15290 | 19.62 | WRUL1 | 50 | Scituate – U. S. A. |
| 15295 | 19.61 | | 100 | Allouis – France |
| 15300 | 19.61 | GWR | 50 | London – Gr. Britain |
| 15300 | 19.60 | CXA18 | 20 | Montevideo – Uruguay |
| 15300 | 19.60 | DZH8 | 2 | Manila – Philippine Islands |
| 15300 | 19.60 | | | Moscow – U. S. S. R. |
| 15300 | 19.61 | | 7.5 | Singapore – Malaya |
| 15303 | 19.60 | TGZA | 0.25 | Zacapa - Guatemala |
| 15305 | 19.60 | HER6 | 25 | Schwarzenbourg - Switzerland |
| 15308 | 19.60 | | 25 | Kiev – U. S. S. R. |
| 15310 | 19.60 | WRUL3 | 50 | Scituate – U. S. A. |
| 15310 | 19.60 | KCBR1 | 200 | Delano – U. S. A. |
| 15310 | 19.60 | KCBR2 | 50 | Delano – U. S. A. |
| 15310 | 19.60 | KCBR3 | 50 | Delano – U. S. A. |
| 15310 | 19.60 | GSP | 50 | London – Gr. Britain |
| 15310 | 19.60 | | | Moscow – U. S. S. R. |
| 15313 | 19.59 | | 100 | Rome – Italy |
| 15320 | 19.58 | CKCS | 50 | Sackville – Canada |
| 15320 | 19.59 | VLB11 | 100 | Shepparton – Australia |

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 15320 | 19.59 | VLC4 | 50 | Shepparton – Australia |
| 15320 | 19.59 | VLA5 | 100 | Shepparton – Australia |
| 15320 | 19.59 | VLG6 | 10 | Lyndhurst – Australia |
| 15320 | 19.58 | | 100 | Moscow – U. S. S. R. |
| 15330 | 19.57 | | 50 | Manila - Philippine Islands |
| 15330 | 19.57 | | 100 | Honolulu – Hawaii |
| 15330 | 19.57 | WGEO1 | 100 | Schenectady – U. S. A. |
| 15330 | 19.57 | WGEO2 | 50 | Schenectady – U. S. A. |
| 15330 | 19.57 | WLWO5 | 200 | Bethany – U. S. A. |
| 15330 | 19.57 | WLWO6 | 200 | Bethany – U. S. A. |
| 15335 | 19.56 | APK3 | 50 | Karachi 3 – Pakistan |
| 15340 | 19.56 | | 100 | Munich II – Germany (A. Z.) |
| 15340 | 19.56 | | 100 | Moscow – U. S. S. R. |
| 15345 | 19.55 | | 7.5 | Athens – Greece |
| 15347 | 19.55 | FHE3 | 12 | Dakar – Senegal |
| 15350 | 19.54 | WRUL1 | 50 | Scituate – U. S. A. |
| 15350 | 19.54 | WRUL2 | 50 | Scituate – U. S. A. |
| 15350 | 19.54 | | 5 | Luxembourg – Luxembourg |
| 15350 | 19.54 | | 100 | Allouis – France |
| 15350 | 19.54 | VUD8 | 7.5 | Delhi – India |
| 15350 | 19.54 | VUD11 | 20 | Delhi – India |
| 15350 | 19.54 | VUD9 | 7.5 | Delhi – India |
| 15360 | 19.53 | | 50 | Moscow – U. S. S. R. |
| 15370 | 19.52 | ZYC9 | 25 | Tamoio – Brazil |
| 15380 | 19.51 | | 10/50 | Lisbon – Portugal |
| 15390 | 19.49 | | 100 | Moscow – U. S. S. R. |
| 15400 | 19.48 | | 50 | Moscow – U. S. S. R. |
| 15400 | 19.48 | PZC | 5 | Paramaribo - Surinam |
| 15410 | 19.47 | | 100 | Moscow – U. S. S. R. |
| 15435 | 19.44 | GWE | 50 | London – Gr. Britain |
| 15440 | 19.43 | | 100 | Moscow – U.S.S.R. |
| 15450 | 19.42 | | 50 | Moscow – U.S.S.R. |
| 15450 | 19.42 | GRD | 50 | London – Gr. Britain |
| 15491 | 19.39 | | | Moscow – U.S.S.R. |
| 15595 | 19.23 | FZI | 50 | Brazzaville – Fr. Equ. Afr. |
| 15630 | 19.19 | | | Moscow – U.S.S.R. |
| 15635 | 19.18 | | 40 | Madrid - Spain |
| 15650 | 19.14 | HC2FX | 10 | Guayaquil – Ecuador |
| 15765 | 19.03 | | 3 | Tirana – Albania |
| 15910 | 18.86 | HS8PD | 1 | Bangkok – Thailand |
| 15915 | 18.85 | CR6RL | 1 | Luanda – Angola |
| 16890 | 17.76 | WWH36 | 50 | Tangier – Tangier |

16 METRE BAND

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 17445 | 17.19 | HVJ | 25 | Vatican City – Vaticane |
| 17600 | 17.04 | | 200 | Fernando Poo – Guinea (Sp.) |
| 17677 | 16.97 | CR5SB | 1 | Sao Tomé – Port. W. Africa |
| 17700 | 16.95 | GVP | 50 | London – Gr. Britain |
| 17715 | 16.93 | GRA | 50 | London – Gr. Britain |
| 17720 | 16.93 | TAD | 20 | Ankara – Turkey |
| 17730 | 16.92 | HJCT | 3 | Bogota – Colombia |
| 17730 | 16.92 | | 7,5/100 | Colombo – Ceylon |
| 17730 | 16.92 | GVQ | 50 | London – Gr. Britain |
| 17740 | 16.91 | | 5 | Lisbon – Portugal |
| 17745 | 16.90 | | 20 | Damascus – Syria |
| 17750 | 16.90 | | | Moscow – U.S.S.R. |
| 17750 | 16.90 | WRUL4 | 20 | Scituate – U.S.A. |
| 17750 | 16.90 | WRUL5 | 10 | Scituate – U.S.A. |
| 17755 | 16.90 | LKW | 10 | Frederikstad – Norway |
| 17760 | 16.89 | VUD3 | 5 | Delhi – India |
| 17760 | 16.89 | VUD5 | 100 | Delhi – India |
| 17760 | 16.89 | VUD10 | 20 | Delhi – India |
| 17760 | 16.89 | VUD11 | 20 | Delhi – India |
| 17760 | 16.89 | KWID1 | 100 | San Francisco – U.S.A. |
| 17760 | 16.89 | | 50 | Manila I – Philippine Islands |
| 17765 | 16.89 | WGEO3 | 25 | Scenectady – U.S.A. |
| 17765 | 16.88 | | 100 | Allouis – France |
| 17770 | 16.88 | | 7,5/100 | Colombo – Ceylon |
| 17770 | 16.88 | | 100 | Rome – Italy |
| 17770 | 16.88 | KCBR2 | 50 | Delano - U.S.A. |
| 17770 | 16.88 | KCBR3 | 50 | Delano – U.S.A. |
| 17775 | 16.88 | | 40 | Lopik – Holland |
| 17780 | 16.87 | WRCA5 | 50 | Bound Brooke – U.S.A. |
| 17780 | 16.87 | | 50 | Manila I Philippine Islands |
| 17780 | 16.87 | | 7,5 | Manila 3 – Philippine Islands |
| 17780 | 16.87 | VUD11 | 20 | Delhi – India |
| 17780 | 16.87 | VUD10 | 20 | Delhi – India |
| 17784 | 16.87 | HER7 | 25 | Schwarzenb. – Switzerland |
| 17790 | 16.86 | GSG | 50 | London – Gr. Britain |
| 17800 | 16.85 | | 50 | Manila - Philippines Islands |
| 17800 | 16.85 | VLB7 | 100 | Shepparton – Australia |
| 17800 | 16.85 | VLA7 | 100 | Shepparton – Australia |
| 17800 | 16.85 | VLC9 | 50 | Shepparton – Australia |
| 17800 | 16.85 | | 100 | Honolulu – Hawaii |
| 17800 | 16.85 | | 60 | Rome – Italy |
| 17800 | 16.85 | WLWO2 | 50 | Masau – U.S.A. |
| 17800 | 16.85 | WLWO7 | 200 | Bethany – U.S.A. |
| 17800 | 16.85 | OIX5 | 15 | Pori – Finland |
| 17810 | 16.84 | GSV | 50 | London – Gr. Britain |
| 17820 | 16.84 | CKNC | 50 | Sackville – Canada |
| 17820 | 16.84 | | 7.5/100 | Colombo – Ceylon |
| 17820 | 16.84 | COBZ | 1 | Havana – Cuba |
| 17825 | 16.83 | LLN | 100 | Frederikstad – Norway |
| 17830 | 16.83 | TAV | 100 | Ankara – Turkey |
| 17830 | 16.83 | VUD5 | 100 | Delhi – India |
| 17830 | 16.83 | VUD7 | 100 | Delhi – India |
| 17830 | 16.83 | VUD3 | 5 | Delhi – India |
| 17830 | 16.83 | WABC3 | 50 | New York – U.S.A. |
| 17830 | 16.83 | WLWO7 | 200 | Bethany – U.S.A. |
| 17830 | 16.83 | KRCA3 | 200 | Dixon – U.S.A. |
| 17840 | 16.83 | | 50 | Moscow – U.S.S.R. |
| 17840 | 16.42 | VLA10 | 100 | Shepparton – Australia |
| 17840 | 16.82 | VLC9 | 50 | Shepparton – Australia |
| 17840 | 16.82 | HVJ | 25 | Vatican City – Vaticane |
| 17840 | 16.82 | VUD10 | 20 | Delhi – India |
| 17840 | 16.82 | VUD5 | 100 | Delhi – India |
| 17840 | 16.82 | FZI | 1,5 | Brazzaville – Fr. Equ. Afr. |
| 17840 | 16.82 | | 1.5 | Athlone – Eire |
| 17845 | 16.82 | | 5 | Ruyselede – Belgium |
| 17850 | 16.81 | | 100 | Allouis – France |
| 17850 | 16.81 | | 50 | Moscow – U.S.S.R. |
| 17850 | 16.81 | COBC | 1 | Havana – Cuba |
| 17860 | 16.80 | | 5 | Lisbon – Portugal |
| 17850 | 16.81 | PRL9 | 50 | Rio de Janeiro – Brazil |
| 17890 | 16.77 | HCJB | 10 | Quito – Ecuador |
| 17900 | 16.76 | WER47 | 50 | Tangier - Tangier |
| 18025 | 16.64 | GRQ | 50 | London – Gr. Britain |
| 18080 | 16.59 | GVO | 50 | London – Gr. Britain |
| 18130 | 16.55 | GRP | 50 | London – Gr. Britain |
| 19980 | 15.02 | RCAC | 50 | Tangier - Tangier |

13 AND 11 METRE BANDS

| kc/s | Metres | | kW | Station |
|---|---|---|---|---|
| 21000 | 14.30 | FZI | 0.8 | Brazzaville – Fr. Equ. Afr. |
| 21460 | 13.98 | KRCA1 | 50 | Dixon – U.S.A. |
| 21470 | 13.97 | GSH | 50 | London – Gr. Britain |
| 21480 | 13.96 | | 10 | Kootwijk – Holland |
| 21490 | 13.96 | | 5 | Lisbon – Portugal |
| 21500 | 13.95 | WABC5 | 50 | New York – U.S.A. |
| 21500 | 13.90 | | 100 | Rome - Italy |
| 21510 | 13.95 | VUD5 | 100 | Delhi – India |
| 21510 | 13.95 | VUD11 | 20 | Delhi – India |
| 21520 | 13.94 | WLWO3 | 200 | Bethany – U.S.A. |
| 21520 | 13.94 | HER8 | 25 | Schwarzenb. – Switzerl. |
| 21530 | 13.93 | GSJ | 50 | London – Gr. Britain |
| 21540 | 13.93 | VLB5 | 100 | Shepparton – Australia |
| 21550 | 13.92 | GST | 50 | London – Gr. Britain |
| 21570 | 13.91 | WABC1 | 50 | New York – U.S.A. |
| 21570 | 13.91 | | 50 | Manila 2 – Philippines |
| 21590 | 13.90 | WGEO2 | 50 | Schenectady – U.S.A. |
| 21600 | 13.89 | VLB8 | 100 | Shepparton – Australia |
| 21600 | 13.89 | CKRP | 50 | Sackville – Canada |
| 21600 | 13.89 | VLA9 | 100 | Shepparton – Australia |
| 21610 | 13.88 | WRCA1 | 50 | Bound Brooke – U.S.A. |
| 21610 | 13.88 | WRCA3 | 50 | Bound Brooke – U.S.A. |
| 21610 | 13.87 | | 7.5/100 | Colombo – Ceylon |
| 21620 | 13.87 | COCY | 1 | Havana – Cuba |
| 21630 | 13.87 | WLWO2 | 50 | Masau – U.S.A. |
| 21640 | 13.86 | GRZ | 50 | London – Gr. Britain |
| 21650 | 13.86 | WLWO7 | 200 | Bethany – U.S.A. |
| 21660 | 13.85 | | 5 | Lisbon – Portugal |
| 21660 | 13.85 | TAX | 100 | Ankara II – Turkey |
| 21670 | 13.85 | LLP | 5 | Oslo – Norway |
| 21675 | 13.84 | GVR | 50 | London – Gr. Britain |
| 21680 | 13.84 | VLC10 | 50 | Shepparton – Australia |
| 21690 | 13.83 | WLWO2 | 50 | Masau – U.S.A. |
| 21700 | 13.83 | VUD10 | 20 | Delhi – India |
| 21710 | 13.82 | GVS | 50 | London – Gr. Britain |
| 21710 | 13.82 | CHLA | 50 | Sackville – Canada |
| 21730 | 13.81 | LLG | 5 | Oslo – Norway |
| 21730 | 13.81 | WRCA3 | 50 | Bound Brooke – U.S.A. |
| 21730 | 13.81 | WRCA6 | 50 | Bound Brooke – U.S.A. |
| 21740 | 13.80 | | 100 | Allouis V – France |
| 21740 | 13.81 | COCW | 1 | Havana – Cuba |
| 21740 | 13.80 | HVJ | 25 | Vatican City – Vaticane |
| 21740 | 13.80 | KCBR2 | 50 | Delano – U.S.A. |
| 21750 | 13.79 | GVT | 50 | London – Gr. Britain |
| 25660 | 11.69 | | 5 | Lisbon – Portugal |
| 25690 | 11.68 | | 5 | Lisbon – Portugal |
| 25750 | 11.65 | GSQ | 50 | London – Gr. Britain |
| 26100 | 11.49 | GSK | 50 | London – Gr. Britain |

# STANDARD FREQUENCIES AND TIME SIGNALS WWV AND WWVH

**Radio Frequencies and Locations**

Station WWV (near Washington) broadcasts continuosly, night and day, on standard radio frequencies of 2.5, 5, 10, 15, 20, 25, 30 and 35 Mc.

Station WWVH Central Radio Propagation Laboratory, Field Stahow, PA Box 901, Puunene, Maui, Hawaii broadcasts on standard radio frequencies of 5, 10 and 15 Mc. (0.4 kW). Continuous operation except 0900 to 0934 A. M. each day for calibration purposes and 4 minutes and 20 seconds after each hour and half-hour.

Time, Tone and Frequency same as WWV. – *Listeners reports* are answered by letter. Supervising Electronic Engineer is Mr. Leo W. Honea and Engineer in Charge of WWVH Mr. Sadami Katahara. —

**Audio Frequencies and Musical Pitch**

Two standard audio frequencies, 440 cycles per second and 600 cycles per second, are broadcast on all radio carrier frequencies except 30 and 35 Mc. The audio frequencies are given alternately, starting with 600 c on the hour for four minutes, interrupted one minute, followed by 440 c for four minutes, and interrupted one minute. Each ten-minute period is the same. The 440 cycles per second is the standard musical pitch, A above middle C.

**Time Signals and Standard Time Intervals**

The audio frequencies are interrupted for intervals of precisely one minute. They are resumed precisely on the hour and each five minutes thereafter. They are in agreement with the basic time service of the U.S. Naval Observatory so that they mark accurately the hour and the successive 5-minute periods.

Greenwich Mean Time is announced in telegraphic code each five minutes starting with 0000 at midnight. Time announcements are with reference to return of the audio frequencies.

A voice announcement of **Eastern** Standard Time follows each telegraphic code announcement from station WWV.

There is a pulse on each carrier frequency of precisely one second. The pulse is heard as a faint tick when listening to the broadcast.

**Radio Propagation Disturbance Warning Notice from WWV**

An announcement of radio propagation conditions is broadcast in code on each of the standard radio frequencies at nineteen and forty-nine minutes past the hour. If a warning is in effect, the letter "W" (in International Morse Code) is repeated 6 times following the time announcement; if unstable conditions are expected, the letter "U" is repeated 6 times; if there is no warning, the letter "N" is repeated 8 times.

*O. I. R.'s*

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# TIME TABLE

## DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T.

| | Normal clock Time | Summer Time |
|---|---|---|
| Aden | +3 | +3 |
| Albania | +1 | +1 |
| Algeria | GMT | GMT |
| Andorra | +1 | +1 |
| Angola | +1 | +1 |
| Arabia | +3 | +3 |
| Argentina | ÷3 | ÷3 |
| Australia | | |
| a) Victoria, New South Wales, Queensland, Tasmania, (Brisbane, Melbourne, Sydney) | +10 | +10 |
| b) North Territorry S. Australia | +9½ | +9½ |
| c) W. Australia (Perth) | +8 | +8 |
| Austria | +1 | +1 |
| Azores | ÷2 | ÷1 |
| Bahamas (W.I.) | ÷5 | ÷5 |
| Barbados (W.I.) | ÷4 | ÷4 |
| Balearic Islands | GMT | +1 |
| Belgian Congo (West) | +1 | +1 |
| Belgian Congo (East) | +2 | +2 |
| Belgium | +1 | +1 |
| Bermuda | ÷4 | ÷3 |
| Bolivia | ÷4 | ÷4 |
| Borneo | +7½ | +7½ |
| Brazil | | |
| a) Eastern and Coastal. | ÷3 | ÷2 |
| b) Western (Manaos) | ÷4 | $^{1}/_{12}$-$^{1}/_{4}$ ÷3 |
| Bulgaria | +2 | +2 |
| Burma | +6½ | +6½ |
| Cameroons | +1 | $^{1}/_{4}$-$^{1}/_{10}$ +1 |
| Canada | | |
| a) Atlantic (Nova Scotia Quebec) | ÷4 | $^{25}/_{4}$-$^{25}/_{9}$ ÷3 |
| b) Eastern (Ontario) | ÷5 | ÷4 |
| c) Central (Manitoba) | ÷6 | ÷5 |
| d) Mountain (Alberta) | ÷7 | ÷6 |
| e) Pacific (Br. Columbia) | ÷8 | ÷7 |
| Canary Islands | ÷1 | GMT |
| Cap Verde Islands | ÷2 | ÷2 |
| Celebes | +8 | +8 |
| Ceylon | +5½ | +5½ |
| Chile | ÷4 | ÷4 |
| China | | |
| Shanghai, Peiping | +8 | +9 |
| Chunking, | | $^{1}/_{5}$-$^{1}/_{11}$ |
| Manchuria | +9 | +9 |
| Canton | +7 | +8 |
| Formosa | +8 | +9 |
| Colombia | ÷5 | ÷5 |
| Costa Rica | ÷6 | ÷6 |
| Cuba (W.I.) | ÷5 | ÷5 |
| Curacao | ÷4½ | ÷4½ |
| Cyprus | +2 | +2 |
| Cyrenaica | +2 | +2 |
| Czechoslovakia | +1 | +2 |
| | | $^{10}/_{4}$-$^{2}/_{10}$ |
| Denmark | +1 | +1 |
| Dominican Republic (W.I.) | ÷5 | ÷5 |
| Ecuador | ÷5 | ÷5 |
| Egypt | +2 | +2 |
| Eire | GMT | +1 |
| | | $^{3}/_{4}$-$^{30}/_{10}$ |
| El Salvador | ÷6 | ÷6 |
| Eritrea | +3 | +3 |
| Ethiopia | +3 | +3 |
| Fiji Islands | +12 | +12 |
| Finland | +2 | +2 |
| France | +1 | +1 |
| Fench Equatorial Africa (Brazzaville) | +1 | +1 |
| French West Africa (Senegal) | GMT | GMT |
| Gambia | GMT | GMT |
| Germany | +1 | +1 |
| Gibraltar | +1 | +2 |
| Gold Coast | GMT | GMT |
| Great Britain | GMT | +1 |
| | | $^{1}/_{4}$-$^{1}/_{10}$ |
| Greece | +2 | +2 |
| Greenland | ÷3 | ÷3 |
| Guadeloupe (W.I.) | ÷4 | ÷4 |
| Guam | +10 | +10 |
| Guatemala | ÷6 | ÷6 |
| Guiana (British | ÷3¾ | ÷3¾ |
| Guiana (Dutch) | ÷3.40 | ÷3.40 |
| Guiana (French) | ÷4 | ÷4 |
| Guinea (Portuguese) | ÷1 | GMT |
| Guinea (Spanish) | +½ | +½ |
| Haiti (W.I.) | ÷5 | ÷5 |
| Hawaiian Islands | ÷10 | ÷10 |
| Holland | +1 | +1 |
| Honduras (Rep.) | ÷6 | ÷6 |
| Honduras (British) | ÷6 | ÷6 |
| Hong Kong | +8 | +9 |
| | | $^{1}/_{4}$-$^{1}/_{10}$ |
| Hungary | +1 | +1 |
| Iceland | ÷1 | GMT |
| India | +5½ | +5½ |
| India (Portuguese) | +5½ | +5½ |
| Indo China (French) | +8 | +8 |
| Indo China (Vietnam) | +7 | +7 |
| Iran (Persia) | +3½ | +3½ |
| Iraq | +3 | +3 |
| Ireland (Northern) | GMT | +1 |
| Israel | +2 | +3 |
| | | $^{31}/_{4}$-$^{31}/_{10}$ |
| Italy | +1 | +1 |
| Jamaica (W.I.) | ÷5 | ÷5 |
| Japan | +9 | +10 |
| | | $^{1}/_{5}$-$^{15}/_{9}$ |
| Java | +7½ | +7½ |
| Kenya | +3 | +3 |
| Korea (South) | +9 | +10 |
| (North) | +9 | +10 |
| Lebanon | +2 | +2 |
| Liberia | ÷1 | ÷1 |
| Libya | | |
| a) West (Tripolitania) | +2 | +2 |
| b) East (Cyrenaica) | +2 | +2 |
| Luxembourg | +1 | +1 |
| Macao | +8 | +9 |
| Madagascar | +3 | +3 |
| Madeira | ÷1 | GMT |
| Malaya | +7½ | +7½ |
| Malta | +1 | +1 |
| Martinique | ÷4 | ÷4 |
| Mauritius | +4 | +4 |
| Mexico | ÷6 | ÷6 |
| Moluccas | +8½ | +8½ |
| Monaco | +1 | +1 |
| Morocco (French) | GMT | +1 |
| Morocco (Spanish) | GMT | +1 |
| Mozambique | +2 | +2 |
| Netherlands (see Holl.) | +1 | +1 |
| New Caledonia | +11 | +11 |
| Newfoundland | ÷3½ | ÷2½ |
| New Guinea (Dutch) | +9 | +9 |
| New Guinea (British) | +10 | +10 |
| New Zealand | +12 | +12 |
| Nicaragua | ÷6 | ÷6 |
| Nigeria | +1 | +1 |
| Northern Rhodesia | +2 | +2 |
| Norway | +1 | +1 |
| Pakistan | | |
| a) West | +5½ | +5½ |
| b) East | +6½ | +6½ |
| Palestine (exc. Israel) | +2 | +3 |
| Panama | ÷5 | ÷5 |
| Paraguay | ÷4 | ÷4 |
| Persia (see Iran) | | |
| Peru | ÷5 | ÷5 |
| Philippine Islands | +8 | +8 |
| Poland | +1 | +2 |
| | | $^{10}/_{4}$-$^{10}/_{10}$ |
| Portugal | GMT | +1 |
| | | $^{1}/_{4}$-$^{1}/_{10}$ |
| Puerto Rico (W.I.) | ÷4 | ÷4 |
| Reunion | +4 | +4 |
| Rhodesia (Northern and Southern) | +2 | +2 |
| Roumania | +2 | +2 |
| Salvador (see El Salvador) | ÷6 | ÷6 |
| Samoa Islands | ÷11 | ÷11 |
| S. Tomé | GMT | +1 |
| Sardinia | +1 | +1 |
| Saudi Arabia | +3 | +3 |
| Siam | +7 | +7 |
| Sicily | +1 | +1 |
| Sierra Leone | GMT | GMT |
| Solomon Islands | +11 | +11 |
| Somaliland (British) | +3 | +3 |
| Somaliland (French) | +3 | +3 |
| Southern Rhodesia | +2 | +2 |
| Spain | GMT | +1 |
| Sudan (Anglo-Egyptian) | +2 | +2 |
| Sumatra North | +6½ | +6½ |
| South | +7 | +7 |
| Surinam | ÷3,40 | ÷3,40 |
| Sweden | +1 | +1 |
| Switzerland | +1 | +1 |
| Syria | +2 | +2 |
| Tanganyika | +3 | +3 |
| Tangier | GMT | +1 (June-Sept.) |
| Tahiti | ÷10 | ÷10 |
| Tasmania | +10 | +10 |
| Transjordan | +2 | +2 |
| Trieste | +1 | +1 |
| Trinidad (W.I.) | ÷4 | ÷4 |
| Tunisia | +1 | +1 |
| Turkey | +2 | +3 (Apr.-Okt.) |
| Union of South Africa | +2 | +2 |
| Uruguay | ÷3½ | ÷3½ |
| U.S.S.R. Moscow, Leningrad | +3 | +3 |
| U. S. A. | | |
| a) Eastern Zone[1]) | ÷5 | ÷4 (May-Sep.) |
| b) Central Zone[2]) | ÷6 | ÷5 (May-Sep.) |
| c) Mountain Zone[3]) | ÷7 | ÷6 (May-Sep.) |
| d) Pacific Zone[4]) | ÷8 | ÷7 (May-Sep.) |
| Vatican | +1 | +1 |
| Venezuela | ÷4½ | ÷4½ |
| Yemen | +3 | +3 |
| Yugoslavia | +1 | +1 |

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2) Alabama, Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Lousiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Tennessee, Texas, Wisconsin.

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AFRICA

**Angola:** Livraria Magalhaes, Lobito, Angola. – **Belgian Congo:** OTC, The International Goodwill Station, Radio Leopoldville, Leopoldville. – **Malta:** Director H. Bech, Allied Malta Newspaper Ltd., Valetta. – **Mozambique:** Empresa Moderna Ltd., Lourenço Marques. – **Rhodesia, North:** Michael Kelly, Mufulira. – **Rhodesia, South:** Century Booksellers, Salisbury. – **Senegal:** P. G. Benazet, Professeur, Sebikhotane, Senegal. – **Tangier:** Pan American Broadcasting System, Tangier. – **Union of South Africa:** C. Roscoe, Mowbray, Cape Town – K. Spuy, Claremont, Cape Town.

EAST

**Burma:** Rangoon Radio Service, Rangoon. – **Ceylon:** S. Satkunam, Wellewatte – W. R. Sparling, Bogowantalawa – **India:** H. P. Sampat Walkeshwar, Bombay – D. C. Ashanti, Radio Institute, Nagpur M. P. – **Indochina:** Le Quang Lanh, "Radiotechny". Saigon. – **Indonesia:** M. P. Breedveld, Head of Technical Dept., Radio Indonesia, Djakarta, Java. – **Japan:** K. Inaba, Kagaku-sha Publishing Co., Tokyo – **Malaya:** Radio Malaya, Singapore.

PACIFIC

**Australia:** Australian Broadcasting Commission, Sydney – G. D. Hutchins, Ashburton. – **New Zealand:** A. T. Cushen, Invercargill. – **Philippine Islands:** Philippine Education Company, Manila. – L. G. Alejo, Institute of Science, Obande, Bulacan. –

NORTH AMERICA

**Canada:** O. Lyttle, North Bay, Ontario – W. Weber, Guelph, Ontario. – **U.S.A.:** Editor Kenneth Boord, International Short-Wave-Editor of Radio-Television News in the U.S.A. (The publisher is grateful for the continuing cooperation).

CENTRAL AMERICA

**Panama:** Radio Programas, Continental, Panama City. – **Cuba:** Antonio A. Daubar, Marianao, Havana – Reed and Reed, Guayaquil, Ecuador.

SOUTH AMERICA

**Brazil:** Dr. Penna, "Antenna", Rio de Janeiro. – **Surinam:** A. Van der Voet, Paramaribo. – **Guiana (Dutch):** P. G. Stokla, "Curom", Curacao. – **Uruguay:** Sr. Miguel Benitez, Montevideo.

COOPERATING CLUBS and RADIO JOURNALS

Canadian DX-Club, North Bay, Ontario.
Grand National Radio Society, U.S.A.
Göteborg DX-Klubb, Gothenburg.
International Short-Wave Club, London.
International Short Wave League, Maida Vale, Paddington, London.
National Radio Club, U.S.A.
Nationwide Short-Wave League, U.S.A.
New Zealand Radio DX-League, Invercargill.
Norwegian DX-Listeners League, Oslo, Norway.
OTC-Club "Amongst Friends", Radio Leopoldville, Congo Belge.
Radio Times of India, Bombay.
Radio Craft, Kagaku-sha Publishing Co, Tokyo Japan.
Scandinavian DX-Club, Jönköping, Sweden.
Short Waves Listeners Registry, U.S.A.
Short Wave News, London, England.
Sveriges Radio Club, Stockholm, Sweden.
Tri State, Short-Wave Listeners Club, U.S.A.
Universal Radio DX-Club, 7507 Holly Street, Oakland, California,
Short Wave Magazine, Victoria Street, London SW. 1.

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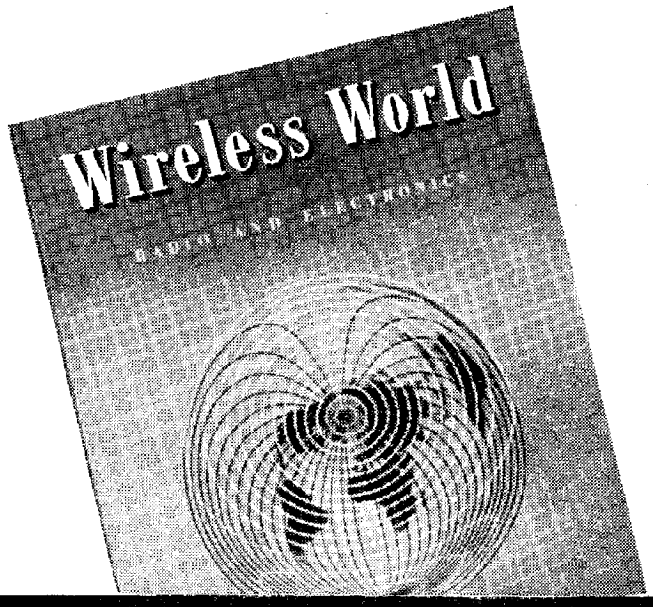


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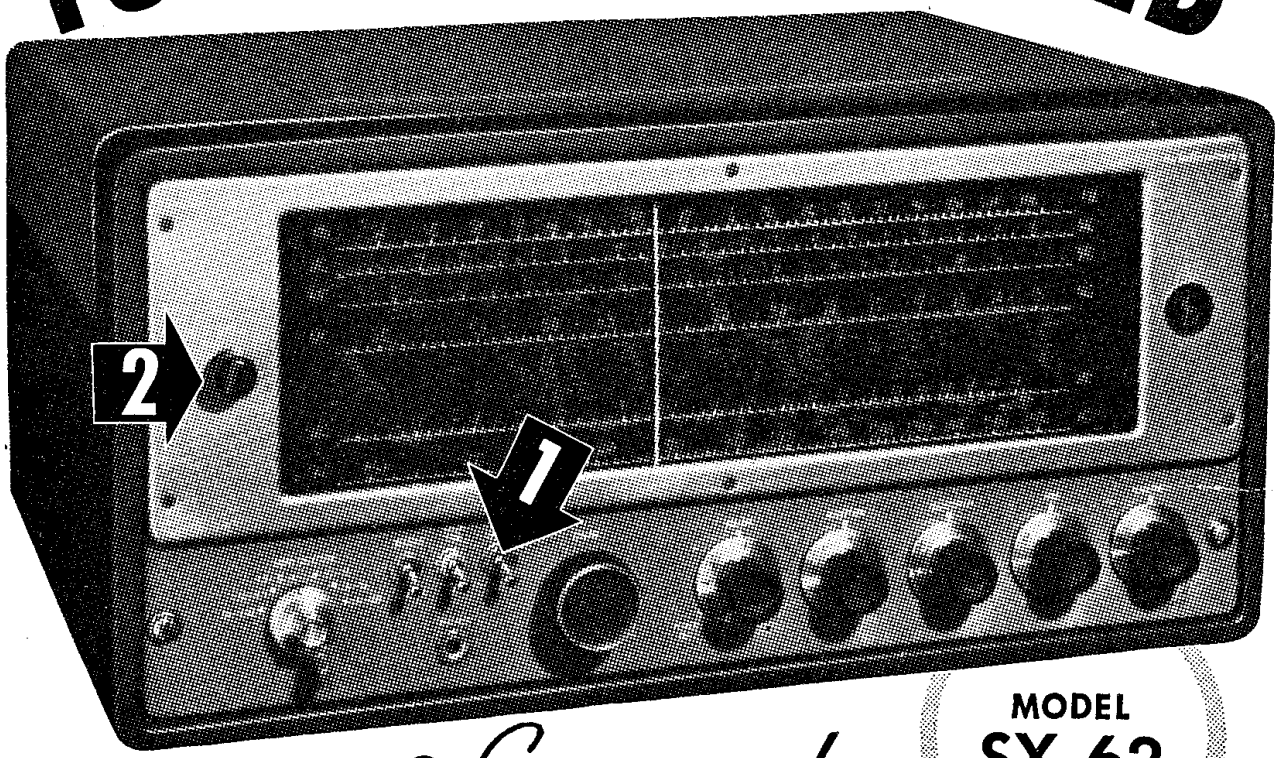


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**CZECHOSLOVAKIA. Daily Programs on Short Wave:** 23.00–23.30 on 9504 kc/s. – 23.00–23.45 on 6010 kc/s. – 23.30–00.30 on 9504 kc/s. – 23.55–01.00 on 9550 kc/s .– 01.55–03.00, 03.25–04.00 on 9550, 11840 kc/s. – 04.30–05.30 on 6010 kc/s. – 05.55–06.25 on 11840 kc/s. – 06.30–06.45 on 9504 kc/s. – 08.55–09.30 on 11760 kc/s. – 11.00–12.30 on 11840 kc/s. (11.00 To Greece. 11.45 Records. 12.15 To England.) – 15.15–16.25 on 9504, 11840 kc/s. – 16.30–19.15 on 6010, 9504 kc/s. – 19.15–19.45 on 9504 kc/s. – 19.30–19.45 on 6010 kc/s. – 19.45–20.30 on 6010, 9504 kc/s. – 20.30–20.45 to England on 9504 kc/s., to Greece on 6010 kc/s. – 20.45–23.00 on 6010, 9504 kc/s.

**DENMARK.** Short Wave to South America: 00.00–01.00: Delete 15165 kc/s. Add 9520 kc/s.

**EIRE.** *News:* In *English* 13.30, 18.30, 22.10. In *Irish* 21.55.

**GERMANY. BAYERISCHER RUNDFUNK:** Add Landshut 1578 kc/s, Augsburg 773 kc/s 10 kW. – Add: Symphony: Fri 19.00. Night Concert: Tues. 23.05. – **HESSISCHER RUNDFUNK:** Kassel delete 1439 kc/s, add 1594 kc/s. VOICE OF AMERICA: Add 6095, 6100 kc/s. **NORDWESTDEUTSCHER RUNDFUNK:** Add Osterloog 1484 kc/s 5 kW. Add "Wie es Euch gefällt": Wed. 19.00. – BRITISH FORCES NETWORK: Delete Forces Educational Broadcast and "Round the Records". Add "At your request": Fri. 16.30. "Topic for Tonight": Daily 22.15. – **BERLINER RUNDFUNK:** Add: On 1271 m only 03.30–14.00. "Deutscher Abend": Thurs. 19.15. "Bunter Abend": Sat. 19.15. Opera, Operetta: Mo. 19.15. Symphony: Wed. 19.15. **DEUTSCHLANDSENDER:** Add "Wir sprechen für Westdeutschland": Daily 20.00. Dance Music: Sat. 21.20–02.00. – **MITTELDEUTSCHER RUNDFUNK: Daily Programs:** Weekdays 03.27–08.12, 10.00–00.03 (Sat. 01–00). Sun. 03.27–24.00.

**GREECE. GREEK-AMERICAN RADIO STATION: Daily Programs** 15.00–05.30.

**ITALY.** Add 3970, 5980, 6250 kc/s. Add Red- and Blue Network 06.00–23.05 (Sat. 24.00). Third Program 20.00–23.00 on 3970, 5980, 6250 kc/s and FM-stations Bologna 90.9, Firenze 93.9, Genova 91.9, Milano 99.9, Napoli 94.9, Roma and Torino 98.9, Venezia 91.9 mc/s.

**Daily Programs on Short Wave: European Service:** 15.30 *Bulgarian* in 31-19 m.b. *Slovac* 25-19 m.b. 16.00 *Norwegian* (Mo. Thurs.), *Dutch* (Tues. Sat.), *French for Belgium* (Wed.), *Esperanto* (Fri. Sun.) in 31-19 m.b. 16.00 *Albanian* in 25-19 m.b. 16.20 *Danish* (Weekdays), *English, German, French, Swedish* (Sun.) in 31-19 m.b. 16.30 *Yugoslavian*, 17.00 *Folish*, 17.30 *German* in 25-19 m.b. 18.07 *French* in 31.25 m.b. 18.20 *Swedish* (Weekdays), *Italian* (Sun.) in 25-19 m.b. 18.45 *Turkish*, 19.15 *English* in 49-25-19 m.b. 19.40 *Greek* in 31-25 m.b. 20.00 *Hungarian*, 20.30 *Czech*, 21.00 *Russian* in 49-25-19 m.b. 21.00 *Rumanian* in 31-25 m.b. 03.15 *Russian* in 49-31-25-19 m.b.

**Overseas Service:** 08.15–09.38 *Italian* to Pacific, East Africa, 09.45–10.53 *Italian* to Africa, 11.00–12.30 *Italian* to Far- and Middle East in 25-19-16-13 m.b. 13.45–14.25 *Italia* to India, Pakistan in 25-19-16 m.b. 14.33–15.23 *News in Italian* (dictation) in 31-25-19-16 m.b. 16.47–18.00 *Italian* to East Africa in 19-16 m.b. 18.45–19.35 *Italian* to South Africa. 20.15–21.00 *Italian* to Middle East, Africa in 31-25 m.b. 21.45–22.45 *Spanish* to South America in 25-19 m.b. *Portuguese* to Brazil in 31-25-19 m.b. 22.50–23.53 *Italian* to Latin America in 31-25-19 m.b. 00.00–01.20 *English, French* to U.S.A., Canada in 49-31-25 m.b. *Spanish* to Mexico in 25-19 m.b. 01.30–03.00 *Italian* to Mexico in 49-31-25-19 m.b.

**PORTUGAL. Atlantico:** Weekdays 12.00–14.00 in 19-27 m.b. 18.30–24.00 in 27-47 m.b. Overseas Service: 00.00–01.30 Delete 49 m.b. Add 47 m.b.

**AZORES. Address:** Emisora Regional doz Azores, Ponta Delgada, San Miguel, Azores.
**Stations:** *Ponta Delgada.* 4845 kc/s 61.92 m 1 kW – 11090 kc/s 27.05 m 1 kW.

**Daily Programs** in *Portuguese:* 20.00–21.00 on 11090 kc/s. 22.00–24.00 on 4845 kc/s.

MADEIRA. – RADIO CLUBE DA MADEIRA, FUNCHAL.
**Station:** *Funchal.* 1484 kc/s 202 m 1 kW.

RADIODIFUSAO DO FUNCHAL, FUNCHAL.
**Station:** *Funchal.* 1594 kc/s 188 m 0.5 kW.

**MOZAMBIQUE. Daily Programs:** In *English:* 04.00–18.00 in 60-31-25 m.b. From 18.00–20.00 in 85-60 m.b. In *Portuguese:* From 16.00–20.00 in 61-31-19 m.b.

**TANGIER: RADIO AFRICA:** Add *Cable:* "Rafrica". Delete 903 kc/s. Add 935 kc/s. **Daily Programs:** 13.00–16.00, 19.00–24.00. *French* and *Spanish:* 21.30–24.00. *Arabic:* 19.00–20.00. *Concert for Listeners:* 14.00 and 21.30.

**UNION OF SOUTH AFRICA. Daily Programs: Usual Session Times:** Weekdays 04.45–06.30, 08.15–12.10, 14.00–21.05. Sun. 05.55–06.30, 08.15–21.05. *Commercial Service:* Weekdays: 04.45–21.00. Sun. 06.00–21.00.

**IRAQ. Address:** Add Box 138. **Daily Programs** in *Arabic:* 05.00–07.30, 15.00–21.00.

**CEYLON. Overseas Service: BBC Broadcasts:** Add: "and **Commercial Service". Daily Programs: Home Service** (Western): 02.00–02.45 (Sat. 03.15, Sun. 03.00), 06.45–08.30, 11.00 (Sat., Sun. 10.30)–17.00 (Sun. 16.30). *News:* 07.45, 13.45 (not Sun.). *Play:* Wed. 15.00. *Dance-Music:* Tues. 16.15. **Commercial Service:** On 9520, 15120 kc/s: 01.45–07.30, 11.30–16.45. *BBC-News:* 02.00. *Listeners Requests:* Weekdays 03.00. Sun. 04.00.

**U.S.A.–RELAY STATIONS: Germany Munich:** Add: 6095, 6100 kc/s. **Tangier:** Add 6040, 7200, 7270 and 9540 kc/s. **Daily Programs: European Service:** *English:* 16.15–16.45, 17.00–17.15. *Relays:* Munich. Delete 41.38, add 31.45 m. 17.45–18.00 Delete Munich 41.38, 25.27 m. 19.00–20.00: Delete: 19.00–20.00 and 13 m. Add: 19.15–20.00 and 31 m. 20.00–20.15: Add 31 m. 21.30–22.00: Delete 13 m. Munich: Add 41.38 m and Tangier 31.38 m. *French:* 20.00–20.30: Delete 19 m. Add 25 m. 22.00–22.15 Delete 25 m. *German:* 20.15–20.30 Rebroadcast: *Munich* 22.00. Delete 31.45 m. 22.15–22.30 Add Relays Tangier 31.38 m.

**SHORT WAVE STATIONS OF THE WORLD.** Add: 39.70, 5980, 6250 kc/s Rome – Italy. – 4900 kc/s YVQE Ciudad Bolivar – Venezuela. – 6040, 7200, 7270, 9540 kc/s Tangier – Tangier. – 6095, 6100 kc/s Munich – Germany.